

07-11-12 Acct # cha

Sewer  
Acct. #:



1114046000

Company: **VA MEDICAL CENTER**

Address: 915 N. Grand Boulevard

City: St. Louis

State and Zip: MO , 63106

Ind_id	File Code	File Description
29340	40	PERMIT



## Metropolitan St. Louis Sewer District

Division of Environmental Compliance  
10 East Grand Avenue  
St. Louis, MO 63147-2913  
Phone: 314.768.6200 [www.stlmsd.com](http://www.stlmsd.com)

December 28, 2016

Mike Stogsdill  
Pipe Shop Supervisor  
**VA MEDICAL CENTER**  
915 N. Grand Boulevard  
St. Louis, MO 63106

**Re: Discharge Permit No: 1008545900 - 3**  
**For premise at: 915 N. Grand Boulevard, St. Louis, MO 63106**

Dear Mr. Stogsdill:

The Metropolitan St. Louis Sewer District has developed an Industrial Wastewater Discharge Permit for the above premise. Federal regulation 40 CFR 403 requires MSD to issue a permit to you. We based the permit on the following: information that you supplied in your Industrial User Questionnaire, on results from previous wastewater samplings and inspections, and on requirements contained in existing MSD ordinances and state and federal regulations.

The terms and conditions of this permit are substantially the same as in the previous permit. The current permit expires on **January 31, 2017**.

You must submit monitoring reports on a quarterly basis, as required by the conditions of this permit. The first report due date, for this reissued permit, is based on a complete calendar quarter monitoring period. The permittee remains responsible for reporting for the preceding calendar quarter under the previous permit. The necessary report form is appended to the permit. It includes the specific certifications required by your permit. Please use this form for your report submittals. Instructions for completing the report form also are enclosed with this letter.

If you disagree with any of the terms or conditions of this permit please inform us, in writing, within 15 working days of receipt. MSD will deem absence of a response within this period as acceptance of the permit.

Please be aware that an annual permit fee will be added to your monthly sewer bill, or you will receive a separate bill, to cover administrative costs associated with the permit, as provided for under MSD ordinance 12413. The fee is normally added to the last bill of each calendar year, or shortly thereafter.

We appreciate your cooperation and support in helping us to comply with federal regulations. Please contact me at 314.436.8756, if you have any questions.

Sincerely,  
**METROPOLITAN ST. LOUIS SEWER DISTRICT**

Scott M. Rehmer  
Assistant Engineer

Enclosures: Industrial Wastewater Discharge Permit,  
Self-monitoring Report Form, Self-monitoring Report Instructions

cc: Doug Mendoza  
Dave Kupke

PRIORITIES	PERFORMANCE	SERVICE
------------	-------------	---------

MSD 043350

METROPOLITAN ST. LOUIS SEWER DISTRICT  
DIVISION OF ENVIRONMENTAL COMPLIANCE  
INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO: 1008545900 - 3

EFFECTIVE DATE: February 01, 2017

EXPIRATION DATE: January 31, 2022

ISSUED TO: VA MEDICAL CENTER  
915 N. Grand Boulevard  
St. Louis, MO 63106

SIC NUMBER(S): 8062

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS: 3

SAMPLING PT. REF NUMBER(S): 001, 002, 003

In accordance with the provisions of the Federal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 12559, the permittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitary or combined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

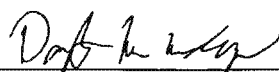
Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment, or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT

  
\_\_\_\_\_  
Scott M. Rehmer  
Assistant Engineer

  
\_\_\_\_\_  
Douglas M. Mendoza, P.E.  
Mgr. of Industrial Pretreatment

## DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 001

SAMPLING POINT LOCATION: MH S of Bell curb 80' E of Spring (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 86,039

WASTEWATER SOURCE AND CATEGORY: Sanitary + Non-Contact Cooling Water (Autoclaves) + Cooling Tower Blowdown + Hospital Waste + Kitchen Waste + Laboratory Waste (Diagnostic Labs) + Boiler Blowdown + Regeneration/Reject Water + Storm Water

## DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD]	***	Daily Avg	Once/3 mo
Biochemical Oxygen Demand (5 Day)	****	Daily Avg	Once/3 mo
Chemical Oxygen Demand	****	Daily Avg	Once/3 mo
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Suspended Solids	****	Daily Avg	Once/3 mo
Total Phenols [mg/L]	21	Instant	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year

\* Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

\*\* See Section I.A.2 of the permit conditions.

\*\*\* Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

\*\*\*\* See Section I.A.11 of the permit conditions.

## DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 002

SAMPLING POINT LOCATION: Offset MH @ Spring & Enright 75' SW of Bldg #5 (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 23,521

WASTEWATER SOURCE AND CATEGORY: Sanitary + Cooling Tower Blowdown + Hospital Waste + Laboratory Waste (Diagnostic Lab) + Storm Water

## DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD]	***	Daily Avg	Once/3 mo
Biochemical Oxygen Demand (5 Day)	****	Daily Avg	Once/3 mo
Chemical Oxygen Demand	****	Daily Avg	Once/3 mo
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Suspended Solids	****	Daily Avg	Once/3 mo
Total Phenols [mg/L]	21	Instant	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year

\* Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

\*\* See Section I.A.2 of the permit conditions.

\*\*\* Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

\*\*\*\* See Section I.A.11 of the permit conditions.

# DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 003

SAMPLING POINT LOCATION: 6" Vent 6' N 12' W from NW corner of 3710 Enright bldg

AVERAGE WASTEWATER FLOW (GPD): 500

WASTEWATER SOURCE AND CATEGORY: Sanitary + Storm Water

## DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD]	***	Daily Avg	Once/3 mo

\* Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

\*\* See Section I.A.2 of the permit conditions.

\*\*\* Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

\*\*\*\* See Section I.A.11 of the permit conditions.

PERMIT CONDITIONS

SECTION I - GENERAL CONDITIONS:

A. MONITORING AND REPORTING REQUIREMENTS:

1. From the effective date of this permit, the permittee shall sample and analyze the discharge, at each of the identified sampling points. The pollutants to be monitored, the limitations, limitation types and minimum sampling frequencies are specified individually for each sampling point. The results of sample analyses and the results of all other self-monitoring activities specified in this permit shall be reported to the District as per paragraph A.9 below.

2. The limitation types, which may be specified in this permit, are defined as follows:

An **INSTANT** limitation is the maximum allowable concentration or mass of the pollutant in a grab sample for all pollutants except pH and temperature. For pH, the INSTANT limitations are the minimum and maximum allowable instantaneous pH values in standard units. For temperature, the INSTANT limitation is the maximum allowable instantaneous temperature in degrees Celsius (centigrade).

A **DAILY AVG** limitation is the maximum allowable concentration or mass of the pollutant in a composite sample collected within a 24-hour period.

A **DAILY MAX** limitation is the maximum allowable concentration or mass of the pollutant in any sample collected within a 24-hour period.

A **MONTHLY AVG** limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in all daily samples collected within a calendar month.

A **4-DAY AVG** limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in the daily samples collected on four consecutive sampling days. Sampling days are not necessarily consecutive calendar days.

Note: A daily sample is any sample collected within a 24-hour period.

3. Unless specified otherwise in Section II of these conditions all samples, collected to satisfy the monitoring and reporting requirements of this permit, shall be of the following types:

a. Temperature, pH and chlorine residual measurements, when required, **shall be made on-site at the points of discharge** and those measurements reported as grab sample results except, if continuous monitoring is employed for pH and/or temperature, reporting shall be as per paragraph A.7 below.

b. For oil and grease, total phenols, cyanide, sulfide and volatile organics, when required, samples shall be **Grab Samples**.

c. For all other pollutants, samples shall be **COMPOSITE SAMPLES** made up by combining a minimum of four individual grab samples within a 24-hour period. The individual grabs must be adequately flow or time proportioned to ensure a composite sample that is representative of that day's discharge.

4. When monitoring is required for Total Toxic Organics (TTO), the TTO result shall be determined by summing all quantifiable values greater than 0.01 mg/l for the applicable toxic organics.

a. For a discharge subject to a categorical pretreatment standard, the applicable toxic organics are listed in the standard. The standards are contained in 40 CFR 405 through 40 CFR 471.

b. For all other discharges the applicable toxic organics are all of those, from the list in 40 CFR 401.15, which are or may be present in the discharge.

In addition to reporting the summed TTO result, the permittee shall include, with the self-monitoring report, the analytical value obtained for each toxic organic analyzed.

5. Sampling of all discharges shall be conducted in such a manner as to ensure that the results of individual samples (whether grab or composite) are representative of normal operations and that the results of all samples during the reporting period are representative of the conditions during the reporting period.

6. All sampling and analyses performed to satisfy the monitoring and reporting requirements of this permit shall be performed in accordance with the techniques prescribed in 40 CFR 136 and amendments thereto unless other techniques are prescribed, within this permit, for specific parameters.

7. If the permittee employs continuous monitoring techniques for pH, temperature, and/or lower explosive limit at any sampling point identified in this permit, unintentional and temporary excursions outside the limitations are allowed subject to the provisions of Article X, Subsection Two-D of District Ordinance 12559. The permittee shall include, with each self-monitoring report, a summary of the continuous monitoring data. For each month, the summary shall show all excursions outside the permitted limitations, the elapsed time for each excursion, and the total time for all excursions for temperature, pH, and/or lower explosive limit.

8. If the permittee monitors any of the listed pollutants, using the methods specified in this permit, more often than required by this permit, the results of all such additional monitoring and any additional flow measurements shall be included in the self-monitoring reports.

9. A self-monitoring report (on forms supplied or approved by the District) shall be submitted to the District's Division of Environmental Compliance for each calendar quarter. Each report shall include:

- a. All facility and sample description information required on the District's reporting form.
- b. Analytical results, with dates and times, for all analyzed samples collected within the quarter.
- c. Daily flows, with dates, for all measurements or estimates made within the quarter.
- d. Any certification statements required pursuant to the Special Conditions in Section II.
- e. Any other data or attachments required pursuant to the Special Conditions in Section II.

Each self-monitoring report shall be certified and signed by an individual authorized in accordance with the provisions of Article X, Section Three of District Ordinance 12559. The reports shall be submitted to the District as soon as possible after all required data are available, but no later than 28 days after the end of each quarter.

For the calendar quarter of:

January 1 through March 31

April 1 through June 30

July 1 through September 30

October 1 through December 31

The report must be postmarked no later than:

April 28

July 28

October 28

January 28

A report must be submitted for each calendar quarter even if, for any reason, sampling was not required or was not performed during the quarter. **The first report under this permit is due by April 28, 2017. For non-quarterly self-monitoring requirements, the permit year commences on January 1.**

10. If any sampling performed by the permittee, using the methods specified in this permit, indicates a violation of any permit limitation, the permittee shall notify the District's Division of Environmental Compliance within one business day of becoming aware of the violation. The permittee shall resample the discharge and shall submit the results of the resampling within thirty (30) days of becoming aware of the violation.

11. Unless specified elsewhere in this permit, discharges of Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD) and Total Suspended Solids (TSS) are not limited under the terms of this permit. However, the monitoring values reported will be used by the District to assess the applicability of extra-strength surcharges under the provisions of the District's Wastewater User Charge Ordinances. Extra-strength surcharges may be applicable when measured values exceed 300 mg/l for BOD, 600 mg/l for COD and/or 300 mg/l for TSS. If the permittee is currently subject to extra-strength surcharge, the BOD, COD and TSS values used for billing, as of the permit effective date, are listed in Section II of the permit conditions. These values are updated periodically and may change during the life of this permit.

#### B. CHANGE IN DISCHARGE:

1. The permittee shall not significantly increase the average daily volume, or flow rate of discharge or add any significant new pollutants or significantly increase the discharge of existing pollutants set forth in this permit without first having secured an amendment to the permit unless the permit conditions authorize such increase or additions without an amendment.

2. The permittee shall notify the District's Division of Environmental Compliance of any proposed significant new or increased discharge. The permittee shall make the notification at least ten (10) business days prior to the date of the planned increase or addition.

3. As defined in Article II of District Ordinance 12559, significant new or increased discharge means:

- a. Any discharge from a new process or facility or a new source.
- b. Any increase in volume or rate of discharge from an existing process or facility when the new long term average daily volume or rate of discharge will exceed the previous long term average by 20% or more.
- c. Any addition of a priority pollutant or toxic pollutant not previously present or suspected present in the permittee's discharge.
- d. Any addition of a hazardous waste subject to, but not previously reported under the reporting requirements in Article VIII, Section Nine of District Ordinance 12559.
- e. Any increase in mass of an existing regulated pollutant when the new long term average daily mass discharge of that pollutant will exceed the previous long term average by 20% or more.
- f. Any addition of a new pollutant or any increase in mass of an existing pollutant when the discharge of such pollutant may cause or contribute to interference or pass-through as these terms are defined in Article II of District Ordinance 12559.
- g. Any new batch discharges when previous discharges from an existing source at the permitted facility occurred on a continuous basis.

#### C. PROBLEM DISCHARGE:

1. Problem discharge means any upset, slug discharge, bypass, spill or accident which does or may result in a discharge into the District's system of a prohibited substance; or of a regulated substance in excess of limitations established in this permit and which may: (a) cause interference or pass through; or (b) contribute to a violation of any requirement of the District's NPDES permit; or (c) cause violation of any State or Federal water quality standard.

2. In the event of any problem discharge into the District's system, the permittee shall immediately notify the District, by telephone, of the incident and shall provide such information as may be required at that time in order to assess the impact of the incident on the District's system or on water quality. Within five (5) business days following any such incident, the permittee shall submit to the District's Division of Environmental Compliance a detailed written report which contains a description of the incident and its cause, location within the permittee's facility, exact dates and times of the period of problem discharge and, if not yet corrected, the anticipated time the incident is expected to continue, and steps taken or planned to correct the current incident and to reduce, eliminate and prevent occurrences of future such incidents.

3. Slug discharge control: The permittee shall develop and implement procedures to control slug discharges, as required by the District, and shall notify the District immediately of any changes at the permittee's facilities, not already addressed in the permittee's slug control requirements, which may affect the potential for a slug discharge.

#### D. BYPASSING PROHIBITED:

The permittee may not bypass any portion of its pretreatment facilities except when necessary to perform essential maintenance and then only if the bypass will not result in a violation of applicable pretreatment standards or requirements. Any other pretreatment facility bypass is prohibited unless:

- a. The bypass is unavoidable to prevent loss of life, personal injury or severe property damage;
- b. There are no feasible alternatives to the bypass; and
- c. In the event of an anticipated bypass, advance notice is provided to the District's Division of Environmental Compliance.

#### E. PERMIT REVOCATION:

This permit may be revoked after thirty (30) days notice to the permittee for cause including, but not limited to, the following causes:

- a. A violation of any term or condition of this permit.
- b. A misrepresentation or failure to fully disclose all relevant facts in obtaining this permit.

#### F. PERMIT TERMINATION OR MODIFICATION:

1. This permit may be modified, after thirty (30) days notice to the permittee following promulgation of new State, Federal or local regulations to ensure compliance with the effective dates contained in any such new regulations.

2. Whenever any discharge covered by this permit is permanently eliminated, or when the circumstances upon which the permit was based pursuant to MSD Ordinance 12559, Article VI, Subsection 3.A, change, this permit will be terminated or modified upon verification of the changes by the District's Division of Environmental Compliance.

#### G. PERMIT RENEWAL:

The permittee shall apply for renewal of this permit at least one hundred eighty (180) days prior to the expiration date contained herein.

H. PERMIT TRANSFER:

This permit may not be transferred or reassigned. If the premise covered by this permit is sold or otherwise transferred to a new owner, the new owner shall apply for a new permit at least ten (10) days prior to the transfer and shall abide by all of the provisions of District Ordinance 12559 until the District issues a new permit or denies the application.

I. RIGHT OF ENTRY:

In order to ensure compliance with the provisions of this permit, District Ordinances and applicable State and Federal regulations, District representatives may inspect a permittee's treatment, pretreatment or discharge control facilities, or any process or any area of the permittee's premise which may be a source of any discharge or a source of any pollutants contained in any discharge into the District's wastewater system; conduct sampling of such facilities, processes or areas; and examine or copy any permittee's records related to such discharges. Any duly authorized representative of the District, upon presentation of proper credentials and after execution of appropriate confidentiality agreements, shall be permitted access to appropriate areas of the permittee's premises without prior notice for these purposes. A representative of the permittee shall, if appropriate, accompany the District representative while the work is being performed and shall assure that all applicable safety rules are being observed by the District's representative.

J. RECORDS RETENTION:

The permittee shall retain and preserve, for not less than five (5) years, all records, books, documents, memoranda, reports, sample analysis results, correspondence and any and all summaries thereof relating to the monitoring, sampling and chemical analyses of the permittee's discharge made by or on the permittee's behalf.

K. DEFINITIONS:

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in Article II of District Ordinance 12559.

L. SEWER USE ORDINANCE:

Unless the context specifically indicates otherwise, the permittee is subject to all provisions of District Sewer Use Ordinance 12559.

M. NOTIFICATION AND REPORTING:

1. All notifications and reports required by this permit shall be directed to:

Metropolitan St. Louis Sewer District  
Division of Environmental Compliance  
10 East Grand Avenue  
St. Louis, Missouri 63147-2913

2. Emergency notifications may be made 24-hours a day, 7 days a week by calling the District's dispatcher at (314) 768-6260.

3. During normal business hours, notifications may be made by calling the District's Division of Environmental Compliance at (314) 436-8710.

## SECTION II- SPECIAL CONDITIONS:

These Special Conditions may supplement and/or amend the standard terms of this permit or the General Conditions in Section I. Where there is any perceived conflict between a Special Condition and either the standard permit terms or the General Conditions of Section I, the Special Condition shall govern.

### A. SPECIAL SAMPLING AND ANALYTICAL PROCEDURES

#### A.1. Sampling/Reporting Requirement for Ordinance Total Phenols

Analysis for Total Phenols is to be performed using EPA Method 625. The result to be reported is the arithmetic sum of the concentrations found for the following individual phenolic compounds:

4-chloro-3-methylphenol	4,6-dinitro-2-methylphenol	pentachlorophenol
2-chlorophenol	2,4-dinitrophenol	phenol
2,4-dichlorophenol	2-nitrophenol	2,4,6-trichlorophenol
2,4-dimethylphenol	4-nitrophenol	

As an option, prior to performing the Method 625 analysis, an initial screening may be performed using EPA Method 420.1. If this option is chosen, two separate samples must be collected, one preserved for the method 420.1 analysis and one unpreserved for a method 625 analysis, if necessary. If the screening produces a result which is less than the permit limitation for Total Phenols, the result should be reported as "less than (numerical result)", and the Method 625 analysis need not be performed. If Method 420.1 produces a result which is greater than the permit limitation, the unpreserved sample must be analyzed using Method 625 and the Method 625 result must be reported. Note: The screening analysis must be completed and a result obtained within sufficient time to ensure the Method 625 analysis, if required, can begin within the 7 day holding time of the unpreserved sample.

#### A.2. No Monitoring When Influenced by Storm Runoff

Sampling points 001, 002, and 003 may, at times, convey storm water in addition to wastewater regulated by this permit. The self-monitoring required pursuant to Section I.A.1 of this permit, shall be conducted only at times when the discharge of regulated wastewater will not be influenced by storm water runoff.

### B. SPECIAL CERTIFICATION AND REPORTING REQUIREMENTS

#### B.1. Radioactive Discharge Reporting Requirements

Permittee is authorized to discharge not more than the following amount of radioactive material per year to the District's sanitary sewers:

- (1) For materials subject to licensing by the Nuclear Regulatory Commission:
  - 5 curies Hydrogen-3
  - 1 curie Carbon-14
  - 1 curie for all other radioactive materials combined
- (2) For all other materials:
  - 1 curie for all radioactive materials combined

Excreta from individuals undergoing medical diagnosis or treatment with radiological materials shall be exempt from this prohibition. Any radioactive material discharged to the wastewater system must be readily soluble (or readily dispersible biological material) in water. This authorized level may be modified at any time should the District determine that permittee's discharge of radioactive materials, either alone or in conjunction with other user's discharges of radioactive materials, causes interference as defined in MSD Ordinance 12559.

The permittee shall include with each quarterly self-monitoring report, on forms supplied by the District, a radioactive materials discharge report. The report shall specify the activity discharged to the sewer system by radionuclide during the reporting period. The permittee shall also certify compliance with state and federal regulations for disposal of radioactive material by release into sanitary sewage.

**B.2. Sampling Not Required at Non-Toxic/Low-Flow Sampling Point**

The permittee is not required to sample discharges at sampling point 003, provided the character of wastes discharged does not differ from that identified in the permit application. The permittee shall certify on each quarterly self-monitoring report that there has been no change in the character of the wastes discharged at sampling point 003 since the last report.

**C. SPECIAL BILLING REPORTING REQUIREMENTS**

**C.1. Reporting Changes Which Might Impact Return Factor**

Pursuant to District Wastewater User Charge Ordinances, the permittee has been granted a reduction in billing for used water which does not enter the District's system. The permittee is currently billed for sewer service charges based on sixty-six (66) percent of the used water (on an annual basis) being discharged to the District from account number 00086730. The permittee shall notify the District's Division of Environmental Compliance within ten (10) business days of becoming aware of any changes in operations which will change the percentage of used water discharged to the District.

**THIS IS THE LAST PAGE OF THIS PERMIT**



**PART III: SPECIAL CERTIFICATION STATEMENTS**

Based on the special conditions contained in your discharge permit you may be required to certify the following.  
Please review your permit and **PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.**

**A - No change in wastewater discharge at sampling points with no monitoring required**

For permit special conditions that waive monitoring at any sample point(s) specified in your permit, you are required to make the following certification for each report in which monitoring is waived:

\_\_\_\_\_ I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sample point 003.

**PART IV: GENERAL CERTIFICATION STATEMENTS**

**B. Certify Discharge Monitoring Report & attachments**

All permittees must sign and complete the information below:

I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print or type name of signing official: \_\_\_\_\_

Title: \_\_\_\_\_ Telephone: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_



**Metropolitan St. Louis  
Sewer District**

Division of Environmental Compliance  
10 East Grand Avenue  
St. Louis, MO 63147-2913  
Phone: 314.768.6200 www.stlmsd.com

November 16, 2016

Mike Stogsdill  
Pipe Shop Supervisor  
**VA MEDICAL CENTER**  
915 N. Grand Boulevard  
St. Louis, MO 63106

**Re: Discharge Permit No: 1008545900 - 3**  
**For premise at: 915 N. Grand Boulevard**  
**St. Louis, MO 63106**

Dear Mr. Stogsdill:

The Metropolitan St. Louis Sewer District has completed its review of your application for renewal of the Industrial Wastewater Discharge Permit for the above premise. The current permit expires on **January 31, 2017**.

Federal regulation 40 CFR 403 requires MSD to issue a permit to you. We based the draft permit on the following: information that you supplied in your Industrial User Questionnaire, on results from previous wastewater samplings and inspections, and on requirements contained in existing MSD ordinances and state and federal regulations.

The terms and conditions of this permit are substantially the same as in the previous permit. Please review this draft copy carefully. If you disagree with any of the terms or conditions of the proposed permit please inform us, in writing, within 15 working days of receipt. MSD will deem absence of a response within this period as acceptance of the draft permit, and we will proceed to issue the final permit.

We appreciate your cooperation and support in helping us to comply with federal regulations. Please contact me at 314.436.8756, if you have any questions.

Sincerely,  
**METROPOLITAN ST. LOUIS SEWER DISTRICT**

Scott M. Rehmer  
Assistant Engineer

Enclosures: Draft Industrial Wastewater Discharge Permit

cc: Doug Mendoza  
Dave Kupke

METROPOLITAN ST. LOUIS SEWER DISTRICT  
DIVISION OF ENVIRONMENTAL COMPLIANCE  
INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO: 1008545900 - 3

EFFECTIVE DATE: February 01, 2017  
EXPIRATION DATE: January 31, 2022

ISSUED TO: VA MEDICAL CENTER  
915 N. Grand Boulevard  
St. Louis, MO 63106

SIC NUMBER(S): 8062

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS: 3  
SAMPLING PT. REF NUMBER(S): 001, 002, 003

In accordance with the provisions of the Federal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 12559, the permittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitary or combined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment, or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT

Scott M. Rehmer  
Assistant Engineer

Douglas M. Mendoza, P.E.  
Mgr. of Industrial Pretreatment

# DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 001

SAMPLING POINT LOCATION: MH S of Bell curb 80' E of Spring (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 86,039

WASTEWATER SOURCE AND CATEGORY: Sanitary + Non-Contact Cooling Water (Autoclaves) + Cooling Tower Blowdown + Hospital Waste + Kitchen Waste + Laboratory Waste (Diagnostic Labs) + Boiler Blowdown + Regeneration/Reject Water + Storm Water

## DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD]	***	Daily Avg	Once/3 mo
Biochemical Oxygen Demand (5 Day)	****	Daily Avg	Once/3 mo
Chemical Oxygen Demand	****	Daily Avg	Once/3 mo
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Suspended Solids	***	Daily Avg	Once/3 mo
Total Phenols [mg/L]	21	Instant	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year

\* Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

\*\* See Section I.A.2 of the permit conditions.

\*\*\* Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

\*\*\*\* See Section I.A.11 of the permit conditions.

# DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 002

SAMPLING POINT LOCATION: Offset MH @ Spring & Enright 75' SW of Bldg #5 (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 23,521

WASTEWATER SOURCE AND CATEGORY: Sanitary + Cooling Tower Blowdown + Hospital Waste + Laboratory Waste (Diagnostic Lab) + Storm Water

## DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD]	***	Daily Avg	Once/3 mo
Biochemical Oxygen Demand (5 Day)	****	Daily Avg	Once/3 mo
Chemical Oxygen Demand	****	Daily Avg	Once/3 mo
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Suspended Solids	****	Daily Avg	Once/3 mo
Total Phenols [mg/L]	21	Instant	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year

\* Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

\*\* See Section I.A.2 of the permit conditions.

\*\*\* Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

\*\*\*\* See Section I.A.11 of the permit conditions.

DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 003

SAMPLING POINT LOCATION: 6" Vent 6' N 12' W from NW corner of 3710 Enright bldg

AVERAGE WASTEWATER FLOW (GPD): 500

WASTEWATER SOURCE AND CATEGORY: Sanitary + Storm Water

DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD]	***	Daily Avg	Once/3 mo

\* Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

\*\* See Section I.A.2 of the permit conditions.

\*\*\* Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

\*\*\*\* See Section I.A.11 of the permit conditions.

PERMIT CONDITIONS

SECTION I - GENERAL CONDITIONS:

A. MONITORING AND REPORTING REQUIREMENTS:

1. From the effective date of this permit, the permittee shall sample and analyze the discharge, at each of the identified sampling points. The pollutants to be monitored, the limitations, limitation types and minimum sampling frequencies are specified individually for each sampling point. The results of sample analyses and the results of all other self-monitoring activities specified in this permit shall be reported to the District as per paragraph A.9 below.

2. The limitation types, which may be specified in this permit, are defined as follows:

An **INSTANT** limitation is the maximum allowable concentration or mass of the pollutant in a grab sample for all pollutants except pH and temperature. For pH, the INSTANT limitations are the minimum and maximum allowable instantaneous pH values in standard units. For temperature, the INSTANT limitation is the maximum allowable instantaneous temperature in degrees Celsius (centigrade).

A **DAILY AVG** limitation is the maximum allowable concentration or mass of the pollutant in a composite sample collected within a 24-hour period.

A **DAILY MAX** limitation is the maximum allowable concentration or mass of the pollutant in any sample collected within a 24-hour period.

A **MONTHLY AVG** limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in all daily samples collected within a calendar month.

A **4-DAY AVG** limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in the daily samples collected on four consecutive sampling days. Sampling days are not necessarily consecutive calendar days.

Note: A daily sample is any sample collected within a 24-hour period.

3. Unless specified otherwise in Section II of these conditions all samples, collected to satisfy the monitoring and reporting requirements of this permit, shall be of the following types:

- a. Temperature, pH and chlorine residual measurements, when required, **shall be made on-site at the points of discharge** and those measurements reported as grab sample results except, if continuous monitoring is employed for pH and/or temperature, reporting shall be as per paragraph A.7 below.
- b. For oil and grease, total phenols, cyanide, sulfide and volatile organics, when required, samples shall be **Grab Samples**.
- c. For all other pollutants, samples shall be **COMPOSITE SAMPLES** made up by combining a minimum of four individual grab samples within a 24-hour period. The individual grabs must be adequately flow or time proportioned to ensure a composite sample that is representative of that day's discharge.

4. When monitoring is required for Total Toxic Organics (TTO), the TTO result shall be determined by summing all quantifiable values greater than 0.01 mg/l for the applicable toxic organics.

a. For a discharge subject to a categorical pretreatment standard, the applicable toxic organics are listed in the standard. The standards are contained in 40 CFR 405 through 40 CFR 471.

b. For all other discharges the applicable toxic organics are all of those, from the list in 40 CFR 401.15, which are or may be present in the discharge.

In addition to reporting the summed TTO result, the permittee shall include, with the self-monitoring report, the analytical value obtained for each toxic organic analyzed.

5. Sampling of all discharges shall be conducted in such a manner as to ensure that the results of individual samples (whether grab or composite) are representative of normal operations and that the results of all samples during the reporting period are representative of the conditions during the reporting period.

6. All sampling and analyses performed to satisfy the monitoring and reporting requirements of this permit shall be performed in accordance with the techniques prescribed in 40 CFR 136 and amendments thereto unless other techniques are prescribed, within this permit, for specific parameters.

7. If the permittee employs continuous monitoring techniques for pH, temperature, and/or lower explosive limit at any sampling point identified in this permit, unintentional and temporary excursions outside the limitations are allowed subject to the provisions of Article X, Subsection Two-D of District Ordinance 12559. The permittee shall include, with each self-monitoring report, a summary of the continuous monitoring data. For each month, the summary shall show all excursions outside the permitted limitations, the elapsed time for each excursion, and the total time for all excursions for temperature, pH, and/or lower explosive limit.

8. If the permittee monitors any of the listed pollutants, using the methods specified in this permit, more often than required by this permit, the results of all such additional monitoring and any additional flow measurements shall be included in the self-monitoring reports.

9. A self-monitoring report (on forms supplied or approved by the District) shall be submitted to the District's Division of Environmental Compliance for each calendar quarter. Each report shall include:

- All facility and sample description information required on the District's reporting form.
- Analytical results, with dates and times, for all analyzed samples collected within the quarter.
- Daily flows, with dates, for all measurements or estimates made within the quarter.
- Any certification statements required pursuant to the Special Conditions in Section II.
- Any other data or attachments required pursuant to the Special Conditions in Section II.

Each self-monitoring report shall be certified and signed by an individual authorized in accordance with the provisions of Article X, Section Three of District Ordinance 12559. The reports shall be submitted to the District as soon as possible after all required data are available, but no later than 28 days after the end of each quarter.

For the calendar quarter of:

January 1 through March 31

April 1 through June 30

July 1 through September 30

October 1 through December 31

The report must be postmarked no later than:

April 28

July 28

October 28

January 28

A report must be submitted for each calendar quarter even if, for any reason, sampling was not required or was not performed during the quarter. **The first report under this permit is due by April 28, 2017. For non-quarterly self-monitoring requirements, the permit year commences on January 1.**

10. If any sampling performed by the permittee, using the methods specified in this permit, indicates a violation of any permit limitation, the permittee shall notify the District's Division of Environmental Compliance within one business day of becoming aware of the violation. The permittee shall resample the discharge and shall submit the results of the resampling within thirty (30) days of becoming aware of the violation.

11. Unless specified elsewhere in this permit, discharges of Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD) and Total Suspended Solids (TSS) are not limited under the terms of this permit. However, the monitoring values reported will be used by the District to assess the applicability of extra-strength surcharges under the provisions of the District's Wastewater User Charge Ordinances. Extra-strength surcharges may be applicable when measured values exceed 300 mg/l for BOD, 600 mg/l for COD and/or 300 mg/l for TSS. If the permittee is currently subject to extra-strength surcharge, the BOD, COD and TSS values used for billing, as of the permit effective date, are listed in Section II of the permit conditions. These values are updated periodically and may change during the life of this permit.

#### B. CHANGE IN DISCHARGE:

1. The permittee shall not significantly increase the average daily volume, or flow rate of discharge or add any significant new pollutants or significantly increase the discharge of existing pollutants set forth in this permit without first having secured an amendment to the permit unless the permit conditions authorize such increase or additions without an amendment.

2. The permittee shall notify the District's Division of Environmental Compliance of any proposed significant new or increased discharge. The permittee shall make the notification at least ten (10) business days prior to the date of the planned increase or addition.

3. As defined in Article II of District Ordinance 12559, significant new or increased discharge means:

- a. Any discharge from a new process or facility or a new source.
- b. Any increase in volume or rate of discharge from an existing process or facility when the new long term average daily volume or rate of discharge will exceed the previous long term average by 20% or more.
- c. Any addition of a priority pollutant or toxic pollutant not previously present or suspected present in the permittee's discharge.
- d. Any addition of a hazardous waste subject to, but not previously reported under the reporting requirements in Article VIII, Section Nine of District Ordinance 12559.
- e. Any increase in mass of an existing regulated pollutant when the new long term average daily mass discharge of that pollutant will exceed the previous long term average by 20% or more.
- f. Any addition of a new pollutant or any increase in mass of an existing pollutant when the discharge of such pollutant may cause or contribute to interference or pass-through as these terms are defined in Article II of District Ordinance 12559.
- g. Any new batch discharges when previous discharges from an existing source at the permitted facility occurred on a continuous basis.

#### C. PROBLEM DISCHARGE

1. Problem discharge means any upset, slug discharge, bypass, spill or accident which does or may result in a discharge into the District's system of a prohibited substance; or of a regulated substance in excess of limitations established in this permit and which may: (a) cause interference or pass through; or (b) contribute to a violation of any requirement of the District's NPDES permit; or (c) cause violation of any State or Federal water quality standard.

2. In the event of any problem discharge into the District's system, the permittee shall immediately notify the District, by telephone, of the incident and shall provide such information as may be required at that time in order to assess the impact of the incident on the District's system or on water quality. Within five (5) business days following any such incident, the permittee shall submit to the District's Division of Environmental Compliance a detailed written report which contains a description of the incident and its cause, location within the permittee's facility, exact dates and times of the period of problem discharge and, if not yet corrected, the anticipated time the incident is expected to continue, and steps taken or planned to correct the current incident and to reduce, eliminate and prevent occurrences of future such incidents.

3. Slug discharge control: The permittee shall develop and implement procedures to control slug discharges, as required by the District, and shall notify the District immediately of any changes at the permittee's facilities, not already addressed in the permittee's slug control requirements, which may affect the potential for a slug discharge.

#### D. BYPASSING PROHIBITED:

The permittee may not bypass any portion of its pretreatment facilities except when necessary to perform essential maintenance and then only if the bypass will not result in a violation of applicable pretreatment standards or requirements. Any other pretreatment facility bypass is prohibited unless:

- a. The bypass is unavoidable to prevent loss of life, personal injury or severe property damage;
- b. There are no feasible alternatives to the bypass; and
- c. In the event of an anticipated bypass, advance notice is provided to the District's Division of Environmental Compliance.

#### E. PERMIT REVOCATION:

This permit may be revoked after thirty (30) days notice to the permittee for cause including, but not limited to, the following causes:

- a. A violation of any term or condition of this permit.
- b. A misrepresentation or failure to fully disclose all relevant facts in obtaining this permit.

#### F. PERMIT TERMINATION OR MODIFICATION

1. This permit may be modified, after thirty (30) days notice to the permittee following promulgation of new State, Federal or local regulations to ensure compliance with the effective dates contained in any such new regulations.

2. Whenever any discharge covered by this permit is permanently eliminated, or when the circumstances upon which the permit was based pursuant to MSD Ordinance 12559, Article VI, Subsection 3.A, change, this permit will be terminated or modified upon verification of the changes by the District's Division of Environmental Compliance.

#### G. PERMIT RENEWAL:

The permittee shall apply for renewal of this permit at least one hundred eighty (180) days prior to the expiration date contained herein.

#### H. PERMIT TRANSFER:

This permit may not be transferred or reassigned. If the premise covered by this permit is sold or otherwise transferred to a new owner, the new owner shall apply for a new permit at least ten (10) days prior to the transfer and shall abide by all of the provisions of District Ordinance 12559 until the District issues a new permit or denies the application.

#### I. RIGHT OF ENTRY:

In order to ensure compliance with the provisions of this permit, District Ordinances and applicable State and Federal regulations, District representatives may inspect a permittee's treatment, pretreatment or discharge control facilities, or any process or any area of the permittee's premise which may be a source of any discharge or a source of any pollutants contained in any discharge into the District's wastewater system; conduct sampling of such facilities, processes or areas; and examine or copy any permittee's records related to such discharges. Any duly authorized representative of the District, upon presentation of proper credentials and after execution of appropriate confidentiality agreements, shall be permitted access to appropriate areas of the permittee's premises without prior notice for these purposes. A representative of the permittee shall, if appropriate, accompany the District representative while the work is being performed and shall assure that all applicable safety rules are being observed by the District's representative.

#### J. RECORDS RETENTION:

The permittee shall retain and preserve, for not less than five (5) years, all records, books, documents, memoranda, reports, sample analysis results, correspondence and any and all summaries thereof relating to the monitoring, sampling and chemical analyses of the permittee's discharge made by or on the permittee's behalf.

#### K. DEFINITIONS:

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in Article II of District Ordinance 12559.

#### L. SEWER USE ORDINANCE:

Unless the context specifically indicates otherwise, the permittee is subject to all provisions of District Sewer Use Ordinance 12559.

#### M. NOTIFICATION AND REPORTING:

1. All notifications and reports required by this permit shall be directed to:

Metropolitan St. Louis Sewer District  
Division of Environmental Compliance  
10 East Grand Avenue  
St. Louis, Missouri 63147-2913

2. Emergency notifications may be made 24-hours a day, 7 days a week by calling the District's dispatcher at (314) 768-6260.

3. During normal business hours, notifications may be made by calling the District's Division of Environmental Compliance at (314) 436-8710.

## SECTION II- SPECIAL CONDITIONS:

These Special Conditions may supplement and/or amend the standard terms of this permit or the General Conditions in Section I. Where there is any perceived conflict between a Special Condition and either the standard permit terms or the General Conditions of Section I, the Special Condition shall govern.

### A. SPECIAL SAMPLING AND ANALYTICAL PROCEDURES

#### A.1. Sampling/Reporting Requirement for Ordinance Total Phenols

Analysis for Total Phenols is to be performed using EPA Method 625. The result to be reported is the arithmetic sum of the concentrations found for the following individual phenolic compounds:

4-chloro-3-methylphenol	4,6-dinitro-2-methylphenol	pentachlorophenol
2-chlorophenol	2,4-dinitrophenol	phenol
2,4-dichlorophenol	2-nitrophenol	2,4,6-trichlorophenol
2,4-dimethylphenol	4-nitrophenol	

As an option, prior to performing the Method 625 analysis, an initial screening may be performed using EPA Method 420.1. If this option is chosen, two separate samples must be collected, one preserved for the method 420.1 analysis and one unpreserved for a method 625 analysis, if necessary. If the screening produces a result which is less than the permit limitation for Total Phenols, the result should be reported as "less than (numerical result)", and the Method 625 analysis need not be performed. If Method 420.1 produces a result which is greater than the permit limitation, the unpreserved sample must be analyzed using Method 625 and the Method 625 result must be reported. Note: The screening analysis must be completed and a result obtained within sufficient time to ensure the Method 625 analysis, if required, can begin within the 7 day holding time of the unpreserved sample.

#### A.2. No Monitoring When Influenced by Storm Runoff

Sampling points 001, 002, and 003 may, at times, convey storm water in addition to wastewater regulated by this permit. The self-monitoring required pursuant to Section I.A.1 of this permit, shall be conducted only at times when the discharge of regulated wastewater will not be influenced by storm water runoff.

### B. SPECIAL CERTIFICATION AND REPORTING REQUIREMENTS

#### B.1. Radioactive Discharge Reporting Requirements

Permittee is authorized to discharge not more than the following amount of radioactive material per year to the District's sanitary sewers:

- (1) For materials subject to licensing by the Nuclear Regulatory Commission:
  - 5 curies Hydrogen-3
  - 1 curie Carbon-14
  - 1 curie for all other radioactive materials combined
- (2) For all other materials:
  - 1 curie for all radioactive materials combined

Excreta from individuals undergoing medical diagnosis or treatment with radiological materials shall be exempt from this prohibition. Any radioactive material discharged to the wastewater system must be readily soluble (or readily dispersible biological material) in water. This authorized level may be modified at any time should the District determine that permittee's discharge of radioactive materials, either alone or in conjunction with other user's discharges of radioactive materials, causes interference as defined in MSD Ordinance 12559.

The permittee shall include with each quarterly self-monitoring report, on forms supplied by the District, a radioactive materials discharge report. The report shall specify the activity discharged to the sewer system by radionuclide during the reporting period. The permittee shall also certify compliance with state and federal regulations for disposal of radioactive material by release into sanitary sewage.

**B.2. Sampling Not Required at Non-Toxic/Low-Flow Sampling Point**

The permittee is not required to sample discharges at sampling point 003, provided the character of wastes discharged does not differ from that identified in the permit application. The permittee shall certify on each quarterly self-monitoring report that there has been no change in the character of the wastes discharged at sampling point 003 since the last report.

**C. SPECIAL BILLING REPORTING REQUIREMENTS**

**C.1. Reporting Changes Which Might Impact Return Factor**

Pursuant to District Wastewater User Charge Ordinances, the permittee has been granted a reduction in billing for used water which does not enter the District's system. The permittee is currently billed for sewer service charges based on sixty-six (66) percent of the used water (on an annual basis) being discharged to the District from account number 00086730. The permittee shall notify the District's Division of Environmental Compliance within ten (10) business days of becoming aware of any changes in operations which will change the percentage of used water discharged to the District.

**THIS IS THE LAST PAGE OF THIS PERMIT**



**PART III: SPECIAL CERTIFICATION STATEMENTS**

Based on the special conditions contained in your discharge permit you may be required to certify the following. Please review your permit and **PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.**

**A - No change in wastewater discharge at sampling points with no monitoring required**

For permit special conditions that waive monitoring at any sample point(s) specified in your permit, you are required to make the following certification for each report in which monitoring is waived:

\_\_\_\_\_ I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sample point 003.

**PART IV: GENERAL CERTIFICATION STATEMENTS**

**B. Certify Discharge Monitoring Report & attachments**

All permittees must sign and complete the information below:

I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print or type name of signing official: \_\_\_\_\_

Title: \_\_\_\_\_ Telephone: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

METROPOLITAN ST. LOUIS SEWER DISTRICT  
INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT FACT SHEET

Check one:

FIRST TIME PERMIT ☐

RENEWAL ☒

Prepared by: S. Rehmer *SR*

Date: 11/14/2016

Reviewed by: *MM*

Date: 11-15-16

PERMIT NO: 1008545900-3

EFFECTIVE DATE: 2/1/2017

EXPIRATION DATE: 1/31/2022

COMPANY NAME: VA MEDICAL CENTER

PREMISE ADDRESS: 915 N. Grand Blvd, 63106

RELATED ACCOUNT NUMBERS: 1030797900

TYPE OF OPERATION: Hospital operations

TOTAL NUMBER OF SAMPLING POINTS: 3 or NO SAMPLING POINT ☐

NUMBER OF: ORDINANCE 3 CATEGORICAL 0 COMBINED 0

CATEGORICAL INDUSTRY? YES ☐ NO ☒

If Yes, 40 CFR \_\_\_\_\_ Subpart \_\_\_\_\_

PSES ☐ PSNS ☐

40 CFR \_\_\_\_\_ Subpart \_\_\_\_\_

PSES ☐ PSNS ☐

EXTRA STRENGTH SURCHARGE? YES ☐ NO ☒ If Yes, BOD \_\_\_\_\_ COD \_\_\_\_\_ TSS \_\_\_\_\_

RETURN FACTOR? YES ☒ NO ☐ If Yes, Acct #(s) 86730 RF 0.66

SPECIAL CONDITIONS REQUIRED? YES ☒ NO ☐

All SMR start dates begin at start of calendar quarter: ☒ same as/containing permit effective date  
☐ following permit effective date

SMR General Cert. B attached to first permit SP (001) at reporting frequency of once/3mo? Y ☒ N ☐

SUPPORTING DOCUMENTS ATTACHED

	YES	NO	N/A
"Special Certs & Gen Rpts for Spec Conditions not tied to Specific SPs" Sheet:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Pollutant & Limitations Documentation Sheets:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Permit Preparation Checklist:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Production-based Standards Calc. Sheets (for Sampling Points _____)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mass-based Standards Calc. Sheets (for Sampling Points _____)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Equivalent Concentration Limits Sheets (for Sampling Points _____)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Most Strict Limits Sheets (for Sampling Points _____)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Combined Wastestream Formula Sheets (for Sampling Points _____)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Text of any Customized Special Conditions: If Yes, for which SCs: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other: _____			

COMMENTS (Include notations of any significant changes from last permit):

n/a

PERMIT NO: 1008545900-3

**SPECIAL CONDITIONS NOT TIED TO SPECIFIC SAMPLE POINTS**

Special Condition:	# <u>F.1</u>	# <u>E.18</u>	# <u>D.3</u>	# _____	# _____	# _____	# _____	# _____
List any related SMR certifications:	# _____	# _____	# _____	# _____	# _____	# _____	# _____	# _____
SMR certification frequency:	[none]	[none]	[none]	[none]	[none]	[none]	[none]	[none]
List any related General Reports:	# _____	# <u>Rad Discharge</u>	# _____	# _____	# _____	# _____	# _____	# _____
General Report frequency:	[none]	once <u>3 mo</u>	[none]	[none]	[none]	[none]	[none]	[none]

Are all the SMR certifications listed above associated with first permit sample point (001)? YES ☐ NO ☐ N/A (No Certs) ☒

Check here if there are no non-SP-specific Special Conditions: ☐



**SAMPLING POINT REFERENCE NUMBER: 002**

TYPE: Ord ☒ Cat ☐ Comb ☐

Wastewater Components: Sanitary, Hospital WW, Lab WW, CT blowdown, Storm

Flow Rate: 23,521	Units: GPD	Basis for Flow Rate: IUQ, received 09/19/2016
-------------------	------------	---

[illegible]

Special Condition:

#D.10

#

#

#

##

—

List related SMR certs:  
SMR cert frequency:

```
# [none]
```

```
# [none]
```

```
# [none]
```

# [none]

# [none]

# [none]

[none]

[none]

List related General Rpts:  
General Rpt frequency:

# [none]

```
# [none]
```

```
# [none]
```

# [none]

# [none]

# [none]

[none]

[none]

Is this an Ord or Comb SP w/mon for TTO and that has no TOs on site? YES ☐ NO ☒ If Yes, is SMR Gen Cert. A attached at once/3 mo freq.? YES ☐ NO ☒

Any significant changes? YES ☐ NO ☒ Explain: \_\_\_\_\_

Basis for Flow Rate: IUQ, received 09/19/2016

**TYPE:** Ord ☒ Cat ☐ Comb ☐

**SAMPLING POINT REFERENCE NUMBER: 003**

### Wastewater Components: Sanitary, Storm

Flow Rate: 500 Units: GPD

Basis for Flow Rate: IUQ, received 09/19/2016

[illegible]

**Special Condition:**

**#D.10**

#E.3

#

#

#

#

#

#

List related SMR certs:

#

#A

#

#

#

#

#

#

SMR cert frequency:

[none]

ance 31

[none]

# [none]

# [none]

# [none]

# \_\_\_\_\_ [none]

# [none]

List related General Rpts:

#

#

#

#

#

#

#

Is this an Ord or Comb SP w/mon for TTO and that has no TOs on site? YES ☐ NO ☒ If Yes, is SMR Gen Cert. A attached at once/3 mo freq.? YES ☐

Any significant changes? YES ☐ NO ☒ Explain: \_\_\_\_\_

PERMIT PREPARATION CHECKLIST – PART 1  
(Fact Sheet Attachment)

Company Name: VA MEDICAL CENTER (on Grand Blvd)

Permit No.: 1008545900-3

Effective Date: 2/1/2017

Prepared by: S. REHMER

Date: 11/14/2016

REVIEW THE PRETREATMENT DATABASE (PIMS), INDUSTRY FILE AND PERMIT APPLICATION.  
ANSWER THESE QUESTIONS & UPDATE THE DATABASE PRIOR TO DEVELOPING THE DRAFT PERMIT.

1. Are the correct SICs listed? Yes ☒ No ☐  
If no, add \_\_\_\_\_ delete: \_\_\_\_\_
2. Is user in surcharge? Yes ☐ No ☒  
If yes, date last certified: \_\_\_\_\_  
If yes, Special Condition F.2 applies.
3. Does user's premise have more than one MSD account? Yes ☒ No ☐  
If yes, were all account numbers correctly listed (including occupant #s)? Yes ☒ No ☐  
If no, have account numbers been corrected in database before proceeding? Yes ☐ No ☐
4. Does user have a Return Factor (RF) other than 1.00 for any account? Yes ☒ No ☐  
If yes, list acct no., RF and date last updated:  
Acct 86730 RF 0.66 Updated 11/13/2013  
Acct \_\_\_\_\_ RF \_\_\_\_\_ Updated \_\_\_\_\_  
If yes, Special Condition F.1 applies.
5. Does user discharge water from a source not included in the MSD Billing system? Yes ☐ No ☒  
If yes, Special Condition F.3 & General Report "Discharge Volume for Billing" apply.  
If yes, Is a flow meter used to record the volume discharged from this other source? Yes ☐ No ☐  
If yes, SC E.37 and Gen. Rpt. "Calibration of Discharge Flow Meter" apply.  
If no, SC E.38 applies.
6. Have you established agreement among permit application, water consumption records and PIMS on component flows at each SP, total SP flows and total premise flow? Yes ☒ No ☐  
If no, explain \_\_\_\_\_
7. Has user been granted any variances from ordinance limitations? Yes ☐ No ☒  
If yes, Application Date: \_\_\_\_\_  
Approval Date: \_\_\_\_\_, or approved as part of this permit issuance? Yes ☐  
(Variances cannot last more than 5 years after approval)  
If yes, Parameter(s) \_\_\_\_\_ at SP(s) \_\_\_\_\_  
If yes, Special Condition C.4 applies.
8. Have any numerical limitations been applied to user, in addition to those already contained in the ordinance? Yes ☐ No ☒  
If yes, Parameter(s) \_\_\_\_\_ at SP(s) \_\_\_\_\_  
Date limit(s) originally applied: \_\_\_\_\_, or as part of variance above? ☐  
If yes, are Special Conditions, other than the standard special conditions, required? Yes ☐ No ☐  
If yes, explain under "non-standard special conditions" question below.
9. Does user discharge any radioactive materials? Yes ☒ No ☐  
If yes, Special Condition E.18 & General Report "Radiation Discharge" apply.
10. Does user generate wastes and/or wastewater by genetic engineering research? Yes ☐ No ☒  
If yes, Special Condition B.12 applies.
11. Do all of the user's active connections, to MSD sewers, have identified SPs? Yes ☒ No ☐  
If no, explain: \_\_\_\_\_  
If no, is documentation sufficient to use Special Condition  
E.5 ☐ "Sampling Not Required at Connections with NO SP and with SP on parts",  
E.6 ☐ "Sampling Not Required at Connection with NO SP on it",  
E.7 ☐ "Sampling Not Required at Connection with SP on only part of it", or  
E.8 ☐ "Sampling Not Required at Permittee with No SP"?  
If no, is compliance schedule necessary to obtain documentation? Yes ☐ No ☐  
If yes, Special Condition G.1 is necessary.
12. Does premise require use of "upstream/downstream" sampling? Yes ☐ No ☒  
If yes, Upstream SP # \_\_\_\_\_ & Downstream SP # \_\_\_\_\_  
If yes, Special Conditions D.11 and E.9 apply.
13. Are there any inactive connections to MSD sewers? Yes ☐ No ☒  
If yes, Special Condition E.10 applies.
14. Have you verified, in PIMS, the SP location descriptions are complete and adequate? Yes ☒ No ☐
15. Have you verified, in PIMS, the discharge components, process descriptions and related flows at all SPs, are complete and adequate? Yes ☒ No ☐

16. Does user have any discharges subject to NPDES permitting regulations? Yes ☐ No ☒  
 If yes, list MSD points & corresponding NPDES points: \_\_\_\_\_  
 If yes, Special Condition E.14 applies.
17. Do any SPs convey stormwater in addition to regulated wastewater? Yes ☒ No ☐  
 If yes, list points: 001, 002, 003 and note on P&LD sheets.  
 If yes, **Special Condition D.10** applies.
18. Are any SPs Dry Justified in PIMS? Yes ☐ No ☒  
 If yes, list points \_\_\_\_\_ and note on P&LD sheets.  
 If yes, no self-monitoring is required, and Special Condition E.3 applies.
19. Are there SPs where user discharges only non-process wastewater? Yes ☒ No ☐  
 If yes, does no self-monitoring requirement / **Special Condition E.3** apply? Yes ☒ No ☐  
 If yes, list points 003 and note on P&LD sheets.
20. Are there SPs with infrequent discharges that require coordination with the user for MSD to collect samples? Yes ☐ No ☒  
 If yes, list points: \_\_\_\_\_ and note on P&LD sheets.  
 If yes, Special Condition D.14 applies.
21. Is documentation adequate to allow use of grab samples in lieu of composites at any SPs? Yes ☐ No ☒  
 If yes, list points \_\_\_\_\_ and note on P&LD sheets.  
 If yes, Special Condition D.1 applies.
22. Are there SPs with self-monitoring requirements, but at less than a quarterly frequency, for all parameters? Yes ☐ No ☒  
 If yes, list points \_\_\_\_\_ and note on P&LD sheets.  
 If yes, Special Condition E.4 applies.
23. Can local limits TTO be removed from monitoring at any ordinance SPs? Yes ☐ No ☒  
 If yes, list points \_\_\_\_\_ and explain on P&LD sheets.  
 If yes, does TTO also need to be removed from MSD's monitoring?  
 If yes, discuss with inspector (name: \_\_\_\_\_) and explain why it had been monitored by MSD: \_\_\_\_\_
24. Does user have a history of compliance problems at this or a previous location? Yes ☐ No ☒  
 If yes, explain problems: \_\_\_\_\_  
 If yes, is a compliance schedule required? Yes ☐ No ☐  
 If yes, Special Condition G.1 applies.  
 Is supporting documentation attached? Yes ☐ No ☐  
 If yes, are any other special requirements required? Yes ☐ No ☐  
 Explain: \_\_\_\_\_
25. Is user required to monitor for Total Phenols at an ordinance SP? Yes ☒ No ☐  
 If yes, does **Special Condition D.3** for Total Phenols monitoring options apply? Yes ☒ No ☐
26. Has user chosen to employ continuous monitoring techniques for:  
 pH? If yes, list points \_\_\_\_\_. SC E.29 & Gen Rpt "Cont-Mon pH Excursions" apply. Yes ☐ No ☒  
 Temp? If yes, list points \_\_\_\_\_. SC E.30 & Gen Rpt "Cont-Mon Temp Excursions" apply. Yes ☐ No ☒  
 LEL? If yes, list points \_\_\_\_\_. SC E.31 & Gen Rpt "Cont-Mon LEL Excursions" apply. Yes ☐ No ☒  
 If yes for pH or Temp, have corresponding SP limits in PIMS been set to 'Alert Only' and does PIMS Monitoring Special Instructions have notes re. field 'violations'? Yes ☐ No ☐
27. Does the company perform any processes for which summaries of activities are needed? Yes ☐ No ☒  
 If yes, Special Condition E.33 & General Report "Process Activity Summary" apply.
28. Are special billing conditions, other than the standard Special Conditions, needed? Yes ☐ No ☒  
 If yes, describe: \_\_\_\_\_  
 If yes, Special Condition F.4 applies.  
 Does General Report "Discharge Volume for Billing" apply? Yes ☐ No ☐  
 Does General Report "Custom Non-Standard" apply? Yes ☐ No ☐
29. Are any Special Conditions, other than the standard special conditions, required? Yes ☐ No ☒  
 If yes, explain: \_\_\_\_\_  
 Which Special Condition applies? \_\_\_\_\_  
 Is supporting documentation attached? Yes ☐ No ☐  
 If no, explain: \_\_\_\_\_  
 Does General Report "Custom Non-Standard" apply? Yes ☐ No ☐
30. Is user a hauled waste industry, discharging its wastewater at the Hauled Waste Station? Yes ☐ No ☒  
 If yes, have ☐ permit title, ☐ cover page, & ☐ general conditions been modified? Yes ☐ No ☐  
 If yes, Special Conditions B.9, C.7, D.13, H.1, and H.2 apply.
31. Is user classified as a Categorical Industrial User (CIU)? Yes ☐ No ☒  
 If yes, complete part 2 of checklist. If no, STOP here.

List all the Special Conditions from Part 1 that are applicable to this permit.  
 List those that are specific to a sampling point on that sampling point's fact sheet, too.  
 List those that are not specific to a sampling point on the "Special Conditions Not Tied to Specific SPs" fact sheet, too.

General Report	Special Condition #	Sampling Point #
	F.1	n/a
Rad.Discharge	E.18	n/a
	D.10	001, 002, 003
	E.3	003
	D.3	n/a



**Metropolitan St. Louis  
Sewer District**

Division of Environmental Compliance  
10 East Grand Avenue  
St. Louis, MO 63147-2913  
Phone: 314.768.6200 www.stlmsd.com

March 25, 2016

Mike Stogsdill  
Pipe Shop Supervisor  
**VA MEDICAL CENTER**  
915 N. Grand Boulevard  
St. Louis, MO 63106

**Re: Discharge Permit No: 1008545900 - 2.1**  
**For premise at: 915 N. Grand Boulevard, St. Louis, MO 63106**

Dear Mr. Stogsdill:

Your Metropolitan St. Louis Sewer District Industrial Wastewater Discharge Permit issued on February 1, 2012, for the above premise, is hereby revised as per the attached revised permit.

The following revisions were made to the permit:

- Added new Sample Point 003 (6" Vent 6' N 12' W from NW corner of 3710 Enright bldg.)
- Added Special Condition B.2 (and special certification A) for no change in character of wastewater discharged at SP003
- Added SP003 to Special Condition A.2 for no monitoring during storm runoff

We have reissued the entire permit for your convenience. Please replace your prior permit with this letter and the revised permit. The terms of the revised permit supersede your prior permit.

You must submit monitoring reports on a quarterly basis, as required by the conditions of this permit. The necessary report form is appended to the permit. It includes the specific certifications required by your permit. Please use this form for your report submittals.

This revision does not affect any monitoring or analysis of your discharge that may be necessary to comply with other requirements of your permit and in no way relieves you of your obligations to achieve the discharge limitations as provided in the permit.

We appreciate your cooperation and support in helping us to comply with federal regulations. Please contact me at 314.436.8756, if you have any questions.

Sincerely,  
**METROPOLITAN ST. LOUIS SEWER DISTRICT**

Scott M. Rehmer  
Assistant Engineer

Enclosures: Industrial Wastewater Discharge Permit, Self-monitoring Report Form

cc: Doug Mendoza  
Dave Kupke

METROPOLITAN ST. LOUIS SEWER DISTRICT  
DIVISION OF ENVIRONMENTAL COMPLIANCE  
INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO: 1008545900 - 2.1

EFFECTIVE DATE: April 01, 2016  
EXPIRATION DATE: January 31, 2017

ISSUED TO: VA MEDICAL CENTER  
915 N. Grand Boulevard  
St. Louis, MO 63106

SIC NUMBER(S): 8062

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS: 3  
SAMPLING PT. REF NUMBER(S): 001, 002, 003

In accordance with the provisions of the Federal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 12559, the permittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitary or combined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment, or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT



Scott M. Rehmer  
Assistant Engineer



Douglas M. Mendoza, P.E.  
Mgr. of Industrial Pretreatment

## DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 001

SAMPLING POINT LOCATION: MH S of Bell curb 80' E of Spring (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 84,773

WASTEWATER SOURCE AND CATEGORY: Sanitary + Hospital Waste + Kitchen Waste + Laboratory Waste(Animal, Research, + Diagnostic Labs) + Boiler Blowdown + Regeneration/Reject Water + Non-Contact Cooling Water(Autoclaves) + Cooling Tower Blowdown + Storm Water

## DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD]	***	Daily Avg	Once/3 mo
Biochemical Oxygen Demand (5 Day) [mg/L]	****	Daily Avg	Once/3 mo
Chemical Oxygen Demand [mg/L]	****	Daily Avg	Once/3 mo
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Suspended Solids [mg/L]	****	Daily Avg	Once/3 mo
Total Phenols [mg/L]	21	Instant	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year

\* Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

\*\* See Section I.A.2 of the permit conditions.

\*\*\* Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

\*\*\*\* See Section I.A.11 of the permit conditions.

## DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 002

SAMPLING POINT LOCATION: Offset MH @ Spring & Enright 75' SW of building #5 (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 25,187

WASTEWATER SOURCE AND CATEGORY: Hospital Waste + Sanitary + Laboratory Waste (Diagnostic + Research Labs) + Cooling Tower Blowdown + Storm Water

## DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD]	***	Daily Avg	Once/3 mo
Biochemical Oxygen Demand (5 Day) [mg/L]	****	Daily Avg	Once/3 mo
Chemical Oxygen Demand [mg/L]	****	Daily Avg	Once/3 mo
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Suspended Solids [mg/L]	****	Daily Avg	Once/3 mo
Total Phenols [mg/L]	21	Instant	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year

\* Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

\*\* See Section I.A.2 of the permit conditions.

\*\*\* Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

\*\*\*\* See Section I.A.11 of the permit conditions.

DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 003

SAMPLING POINT LOCATION: 6" Vent 6' N 12' W from NW corner of 3710 Enright building

AVERAGE WASTEWATER FLOW (GPD): 100

WASTEWATER SOURCE AND CATEGORY: Sanitary + Storm Water

DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD]	***	Daily Avg	Once/3 mo

\* Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

\*\* See Section I.A.2 of the permit conditions.

\*\*\* Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

\*\*\*\* See Section I.A.11 of the permit conditions.

PERMIT CONDITIONS

SECTION I - GENERAL CONDITIONS:

A. MONITORING AND REPORTING REQUIREMENTS:

1. From the effective date of this permit, the permittee shall sample and analyze the discharge, at each of the identified sampling points. The pollutants to be monitored, the limitations, limitation types and minimum sampling frequencies are specified individually for each sampling point. The results of sample analyses and the results of all other self-monitoring activities specified in this permit shall be reported to the District as per paragraph A.9 below.

2. The limitation types, which may be specified in this permit, are defined as follows:

An **INSTANT** limitation is the maximum allowable concentration or mass of the pollutant in a grab sample for all pollutants except pH and temperature. For pH, the INSTANT limitations are the minimum and maximum allowable instantaneous pH values in standard units. For temperature, the INSTANT limitation is the maximum allowable instantaneous temperature in degrees Celsius (centigrade).

A **DAILY AVG** limitation is the maximum allowable concentration or mass of the pollutant in a composite sample collected within a 24-hour period.

A **DAILY MAX** limitation is the maximum allowable concentration or mass of the pollutant in any sample collected within a 24-hour period.

A **MONTHLY AVG** limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in all daily samples collected within a calendar month.

A **4-DAY AVG** limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in the daily samples collected on four consecutive sampling days. Sampling days are not necessarily consecutive calendar days.

Note: A daily sample is any sample collected within a 24-hour period.

3. Unless specified otherwise in Section II of these conditions all samples, collected to satisfy the monitoring and reporting requirements of this permit, shall be of the following types:

a. Temperature, pH and chlorine residual measurements, when required, **shall be made on-site at the points of discharge** and those measurements reported as grab sample results except, if continuous monitoring is employed for pH and/or temperature, reporting shall be as per paragraph A.7 below.

b. For oil and grease, total phenols, cyanide, sulfide and volatile organics, when required, samples shall be **Grab Samples**.

c. For all other pollutants, samples shall be **COMPOSITE SAMPLES** made up by combining a minimum of four individual grab samples within a 24-hour period. The individual grabs must be adequately flow or time proportioned to ensure a composite sample that is representative of that day's discharge.

4. When monitoring is required for Total Toxic Organics (TTO), the TTO result shall be determined by summing all quantifiable values greater than 0.01 mg/l for the applicable toxic organics.

a. For a discharge subject to a categorical pretreatment standard, the applicable toxic organics are listed in the standard. The standards are contained in 40 CFR 405 through 40 CFR 471.

b. For all other discharges the applicable toxic organics are all of those, from the list in 40 CFR 401.15, which are or may be present in the discharge.

In addition to reporting the summed TTO result, the permittee shall include, with the self-monitoring report, the analytical value obtained for each toxic organic analyzed.

5. Sampling of all discharges shall be conducted in such a manner as to ensure that the results of individual samples (whether grab or composite) are representative of normal operations and that the results of all samples during the reporting period are representative of the conditions during the reporting period.

6. All sampling and analyses performed to satisfy the monitoring and reporting requirements of this permit shall be performed in accordance with the techniques prescribed in 40 CFR 136 and amendments thereto unless other techniques are prescribed, within this permit, for specific parameters.

7. If the permittee employs continuous monitoring techniques for pH, temperature, and/or lower explosive limit at any sampling point identified in this permit, unintentional and temporary excursions outside the limitations are allowed subject to the provisions of Article X, Subsection Two-D of District Ordinance 12559. The permittee shall include, with each self-monitoring report, a summary of the continuous monitoring data. For each month, the summary shall show all excursions outside the permitted limitations, the elapsed time for each excursion, and the total time for all excursions for temperature, pH, and/or lower explosive limit.

8. If the permittee monitors any of the listed pollutants, using the methods specified in this permit, more often than required by this permit, the results of all such additional monitoring and any additional flow measurements shall be included in the self-monitoring reports.

9. A self-monitoring report (on forms supplied or approved by the District) shall be submitted to the District's Division of Environmental Compliance for each calendar quarter. Each report shall include:

- a. All facility and sample description information required on the District's reporting form.
- b. Analytical results, with dates and times, for all analyzed samples collected within the quarter.
- c. Daily flows, with dates, for all measurements or estimates made within the quarter.
- d. Any certification statements required pursuant to the Special Conditions in Section II.
- e. Any other data or attachments required pursuant to the Special Conditions in Section II.

Each self-monitoring report shall be certified and signed by an individual authorized in accordance with the provisions of Article X, Section Three of District Ordinance 12559. The reports shall be submitted to the District as soon as possible after all required data are available, but no later than 28 days after the end of each quarter.

<u>For the calendar quarter of:</u>	<u>The report must be postmarked no later than:</u>
January 1 through March 31	April 28
April 1 through June 30	July 28
July 1 through September 30	October 28
October 1 through December 31	January 28

A report must be submitted for each calendar quarter even if, for any reason, sampling was not required or was not performed during the quarter. **The first report under this permit is due by July 28, 2016. For non-quarterly self-monitoring requirements, the permit year commences on January 1.**

10. If any sampling performed by the permittee, using the methods specified in this permit, indicates a violation of any permit limitation, the permittee shall notify the District's Division of Environmental Compliance within one business day of becoming aware of the violation. The permittee shall resample the discharge and shall submit the results of the resampling within thirty (30) days of becoming aware of the violation.

11. Unless specified elsewhere in this permit, discharges of Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD) and Total Suspended Solids (TSS) are not limited under the terms of this permit. However, the monitoring values reported will be used by the District to assess the applicability of extra-strength surcharges under the provisions of the District's Wastewater User Charge Ordinances. Extra-strength surcharges may be applicable when measured values exceed 300 mg/l for BOD, 600 mg/l for COD and/or 300 mg/l for TSS. If the permittee is currently subject to extra-strength surcharge, the BOD, COD and TSS values used for billing, as of the permit effective date, are listed in Section II of the permit conditions. These values are updated periodically and may change during the life of this permit.

**B. CHANGE IN DISCHARGE:**

1. The permittee shall not significantly increase the average daily volume, or flow rate of discharge or add any significant new pollutants or significantly increase the discharge of existing pollutants set forth in this permit without first having secured an amendment to the permit unless the permit conditions authorize such increase or additions without an amendment.

2. The permittee shall notify the District's Division of Environmental Compliance of any proposed significant new or increased discharge. The permittee shall make the notification at least ten (10) business days prior to the date of the planned increase or addition.

3. As defined in Article II of District Ordinance 12559, significant new or increased discharge means:

- a. Any discharge from a new process or facility or a new source.
- b. Any increase in volume or rate of discharge from an existing process or facility when the new long term average daily volume or rate of discharge will exceed the previous long term average by 20% or more.
- c. Any addition of a priority pollutant or toxic pollutant not previously present or suspected present in the permittee's discharge.
- d. Any addition of a hazardous waste subject to, but not previously reported under the reporting requirements in Article VIII, Section Nine of District Ordinance 12559.
- e. Any increase in mass of an existing regulated pollutant when the new long term average daily mass discharge of that pollutant will exceed the previous long term average by 20% or more.
- f. Any addition of a new pollutant or any increase in mass of an existing pollutant when the discharge of such pollutant may cause or contribute to interference or pass-through as these terms are defined in Article II of District Ordinance 12559.
- g. Any new batch discharges when previous discharges from an existing source at the permitted facility occurred on a continuous basis.

**C. PROBLEM DISCHARGE:**

1. Problem discharge means any upset, slug discharge, bypass, spill or accident which does or may result in a discharge into the District's system of a prohibited substance; or of a regulated substance in excess of limitations established in this permit and which may: (a) cause interference or pass through; or (b) contribute to a violation of any requirement of the District's NPDES permit; or (c) cause violation of any State or Federal water quality standard.

2. In the event of any problem discharge into the District's system, the permittee shall immediately notify the District, by telephone, of the incident and shall provide such information as may be required at that time in order to assess the impact of the incident on the District's system or on water quality. Within five (5) business days following any such incident, the permittee shall submit to the District's Division of Environmental Compliance a detailed written report which contains a description of the incident and its cause, location within the permittee's facility, exact dates and times of the period of problem discharge and, if not yet corrected, the anticipated time the incident is expected to

continue, and steps taken or planned to correct the current incident and to reduce, eliminate and prevent occurrences of future such incidents.

3. Slug discharge control: The permittee shall develop and implement procedures to control slug discharges, as required by the District, and shall notify the District immediately of any changes at the permittee's facilities, not already addressed in the permittee's slug control requirements, which may affect the potential for a slug discharge.

#### D. BYPASSING PROHIBITED:

The permittee may not bypass any portion of its pretreatment facilities except when necessary to perform essential maintenance and then only if the bypass will not result in a violation of applicable pretreatment standards or requirements. Any other pretreatment facility bypass is prohibited unless:

- a. The bypass is unavoidable to prevent loss of life, personal injury or severe property damage;
- b. There are no feasible alternatives to the bypass; and
- c. In the event of an anticipated bypass, advance notice is provided to the District's Division of Environmental Compliance.

#### E. PERMIT REVOCATION:

This permit may be revoked after thirty (30) days notice to the permittee for cause including, but not limited to, the following causes:

- a. A violation of any term or condition of this permit.
- b. A misrepresentation or failure to fully disclose all relevant facts in obtaining this permit.

#### F. PERMIT TERMINATION OR MODIFICATION:

1. This permit may be modified, after thirty (30) days notice to the permittee following promulgation of new State, Federal or local regulations to ensure compliance with the effective dates contained in any such new regulations.

2. Whenever any discharge covered by this permit is permanently eliminated, or when the circumstances upon which the permit was based pursuant to MSD Ordinance 12559, Article VI, Subsection 3.A, change, this permit will be terminated or modified upon verification of the changes by the District's Division of Environmental Compliance.

#### G. PERMIT RENEWAL:

The permittee shall apply for renewal of this permit at least one hundred eighty (180) days prior to the expiration date contained herein.

#### H. PERMIT TRANSFER:

This permit may not be transferred or reassigned. If the premise covered by this permit is sold or otherwise transferred to a new owner, the new owner shall apply for a new permit at least ten (10) days prior to the transfer and shall abide by all of the provisions of District Ordinance 12559 until the District issues a new permit or denies the application.

I. RIGHT OF ENTRY:

In order to ensure compliance with the provisions of this permit, District Ordinances and applicable State and Federal regulations, District representatives may inspect a permittee's treatment, pretreatment or discharge control facilities, or any process or any area of the permittee's premise which may be a source of any discharge or a source of any pollutants contained in any discharge into the District's wastewater system; conduct sampling of such facilities, processes or areas; and examine or copy any permittee's records related to such discharges. Any duly authorized representative of the District, upon presentation of proper credentials and after execution of appropriate confidentiality agreements, shall be permitted access to appropriate areas of the permittee's premises without prior notice for these purposes. A representative of the permittee shall, if appropriate, accompany the District representative while the work is being performed and shall assure that all applicable safety rules are being observed by the District's representative.

J. RECORDS RETENTION:

The permittee shall retain and preserve, for not less than five (5) years, all records, books, documents, memoranda, reports, sample analysis results, correspondence and any and all summaries thereof relating to the monitoring, sampling and chemical analyses of the permittee's discharge made by or on the permittee's behalf.

K. DEFINITIONS:

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in Article II of District Ordinance 12559.

L. SEWER USE ORDINANCE:

Unless the context specifically indicates otherwise, the permittee is subject to all provisions of District Sewer Use Ordinance 12559.

M. NOTIFICATION AND REPORTING:

1. All notifications and reports required by this permit shall be directed to:

Metropolitan St. Louis Sewer District  
Division of Environmental Compliance  
10 East Grand Avenue  
St. Louis, Missouri 63147-2913

2. Emergency notifications may be made 24-hours a day, 7 days a week by calling the District's dispatcher at (314) 768-6260.

3. During normal business hours, notifications may be made by calling the District's Division of Environmental Compliance at (314) 436-8710.

## SECTION II- SPECIAL CONDITIONS:

These Special Conditions may supplement and/or amend the standard terms of this permit or the General Conditions in Section I. Where there is any perceived conflict between a Special Condition and either the standard permit terms or the General Conditions of Section I, the Special Condition shall govern.

### A. SPECIAL SAMPLING AND ANALYTICAL PROCEDURES

#### A.1. Sampling/Reporting Requirement for Ordinance Total Phenols

Analysis for Total Phenols is to be performed using EPA Method 625. The result to be reported is the arithmetic sum of the concentrations found for the following individual phenolic compounds:

4-chloro-3-methylphenol	4,6-dinitro-2-methylphenol	pentachlorophenol
2-chlorophenol	2,4-dinitrophenol	phenol
2,4-dichlorophenol	2-nitrophenol	2,4,6-trichlorophenol
2,4-dimethylphenol	4-nitrophenol	

As an option, prior to performing the Method 625 analysis, an initial screening may be performed using EPA Method 420.1. If this option is chosen, two separate samples must be collected, one preserved for the method 420.1 analysis and one unpreserved for a method 625 analysis, if necessary. If the screening produces a result which is less than the permit limitation for Total Phenols, the result should be reported as "less than (numerical result)", and the Method 625 analysis need not be performed. If Method 420.1 produces a result which is greater than the permit limitation, the unpreserved sample must be analyzed using Method 625 and the Method 625 result must be reported. Note: The screening analysis must be completed and a result obtained within sufficient time to ensure the Method 625 analysis, if required, can begin within the 7 day holding time of the unpreserved sample.

#### A.2. No Monitoring When Influenced by Storm Runoff

Sampling points **001**, **002**, and **003** may, at times, convey storm water in addition to wastewater regulated by this permit. The self-monitoring required pursuant to Section I.A.1 of this permit, shall be conducted only at times when the discharge of regulated wastewater will not be influenced by storm water runoff.

### B. SPECIAL CERTIFICATION AND REPORTING REQUIREMENTS

#### B.1. Radioactive Discharge Reporting Requirements

Permittee is authorized to discharge not more than the following amount of radioactive material per year to the District's sanitary sewers:

- (1) For materials subject to licensing by the Nuclear Regulatory Commission:
  - 5 curies Hydrogen-3
  - 1 curie Carbon-14
  - 1 curie for all other radioactive materials combined
- (2) For all other materials:
  - 1 curie for all radioactive materials combined

Excreta from individuals undergoing medical diagnosis or treatment with radiological materials shall be exempt from this prohibition. Any radioactive material discharged to the wastewater system must be readily soluble (or readily dispersible biological material) in water. This authorized level may be modified at any time should the District

determine that permittee's discharge of radioactive materials, either alone or in conjunction with other user's discharges of radioactive materials, causes interference as defined in MSD Ordinance 12559.

The permittee shall include with each quarterly self-monitoring report, on forms supplied by the District, a radioactive materials discharge report. The report shall specify the activity discharged to the sewer system by radionuclide during the reporting period. The permittee shall also certify compliance with state and federal regulations for disposal of radioactive material by release into sanitary sewage.

**B.2. Sampling Not Required at Non-Toxic / Low-Flow Sampling Point**

The permittee is not required to sample discharges at sampling point **003**, provided the character of wastes discharged does not differ from that identified in the permit application. The permittee shall certify on each quarterly self-monitoring report that there has been no change in the character of the wastes discharged at sampling point **003** since the last report.

**C. SPECIAL BILLING REPORTING REQUIREMENTS**

**C.1. Reporting Changes Which Might Impact Return Factor**

Pursuant to District Wastewater User Charge Ordinances, the permittee has been granted a reduction in billing for used water which does not enter the District's system. The permittee is currently billed for sewer service charges based on **sixty-six (66) percent** of the used water (on an annual basis) being discharged to the District. The permittee shall notify the District's Division of Environmental Compliance within ten (10) business days of becoming aware of any changes in operations which will change the percentage of used water discharged to the District.

**THIS IS THE LAST PAGE OF THIS PERMIT**

# METROPOLITAN ST. LOUIS SEWER DISTRICT INDUSTRIAL USER SELF MONITORING REPORT

## PART I: IDENTIFYING INFORMATION

Company Name: **VA MEDICAL CENTER**

Effective Date: Apr 01, 2016

Expiration Date: Jan 31, 2017

Premise Address: 915 N. Grand Boulevard, St. Louis, MO 63106

□(APR-JUNE)

□(JULY-SEPT)

□(OCT-DEC)

Samples Collected By: \_\_\_\_\_

Analyses Performed By: \_\_\_\_\_

## PART II: ANALYTICAL RESULTS OF SELF MONITORING

[illegible]

**You must complete and sign the certification statements on the second page.**

**PART III: SPECIAL CERTIFICATION STATEMENTS**

Based on the special conditions contained in your discharge permit you may be required to certify the following. Please review your permit and **PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.**

**A. No change in wastewater discharge at sampling points with no monitoring required**

For permit special conditions that waive monitoring at any sample point specified in your permit, you are required to make the following certification for each report in which monitoring is waived:

\_\_\_\_\_ I certify, since the last discharge monitoring report, there has been no change in the character of the wastes discharged at sample point 003.

**PART IV: GENERAL CERTIFICATION STATEMENTS**

**B. Certify Discharge Monitoring Report & attachments**

All permittees must sign and complete the information below:

I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Print or type name of signing official: \_\_\_\_\_

Title: \_\_\_\_\_ Telephone: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

METROPOLITAN ST. LOUIS SEWER DISTRICT  
INDUSTRIAL WASTEWATER DISCHARGE PERMIT

**DOCUMENTATION FORM for PERMIT REVISION**

Company Name: **VA MEDICAL CENTER**

Premise Address: **915 N. Grand Blvd, 63106**

Former Permit No: **1114046000-2**

Original Effective Date: **2/1/2012**

Revised Permit No: **1008545900-2.1**

Revision Effective Date: **4/1/2016**

**WHY – Cite regulation, policy, etc. and identify any other documents which support the revision:**

**Per inspection of 2/23/16, new SP003 created (sanitary & stormwater only).**

**WHAT – Briefly explain what is to be revised and then list the pages & how affected:**

**Add SP003 to permit; add to spec cond E.3 (and spec cert A); add to spec cond D.10.**

**WHAT – List the Permit Preparation Checklist questions for which answers have changed from last permit, and complete those questions & attach the applicable checklist sheets:**

**See below.**

Pg. #	<b><u>1</u></b>	<b><u>Permit #, Eff date, # of SP's, SP ref # 003</u></b>
Pg. #	<b><u>4</u></b>	<b><u>Limit sheet for SP003</u></b>
Pg. #	<b><u>6</u></b>	<b><u>First report due date</u></b>
Pg. #	<b><u>10</u></b>	<b><u>Added SP003 to spec cond A.2 (D.10) for stormwater</u></b>
Pg. #	<b><u>11</u></b>	<b><u>Added spec cond B.2 (E.3) for certify no change in flow</u></b>
Pg. #	<b><u>12</u></b>	<b><u>Permit #, Eff date</u></b>
	<b><u>13</u></b>	<b><u>Added Spec Cert A for SP003.</u></b>

SMR Start Dates for any new requirements:

Once/3 mo:	<b><u>4/1/2016</u></b>	or <input type="checkbox"/> no new requirements
Once/6 mo:	_____	or <input type="checkbox"/> no new requirements
Once/year:	_____	or <input type="checkbox"/> no new requirements

**SUPPORTING DOCUMENTS ATTACHED**

	YES	NO	N/A
"Special Certs & Gen Rpts for Spec Conditions not tied to Specific SPs" Sheet:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Permit Preparation Checklist (Only the pages for Q's <u>14, 15, 17, 19</u> )	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pollutant & Limitations Documentation Sheets (for Sampling Points <u>003</u> )	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Production-based Standards Calc. Sheets (for Sampling Points _____)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Mass-based Standards Calc. Sheets (for Sampling Points _____)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Most Strict Limits Sheets (for Sampling Points _____)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Combined Wastestream Formula Sheets (for Sampling Points _____)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Text of any Customized Special Conditions: If Yes, for which SCs: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other: _____			

Prepared by: <b><u>S. Rehmer</u></b>	Date: <b><u>3/21/2016</u></b>
Reviewed by: <b><u>[Signature]</u></b>	Date: <b><u>3-24-16</u></b>

PERMIT NO: 1008545900-2.1

CHANGES TO

Special Certifications & General Reports for Special Conditions not tied to specific sample points

ADDITIONS: Special Conditions: # \_\_\_\_\_, # \_\_\_\_\_, # \_\_\_\_\_, # \_\_\_\_\_, # \_\_\_\_\_  
Related SMR Certs: # \_\_\_\_\_, # \_\_\_\_\_, # \_\_\_\_\_, # \_\_\_\_\_, # \_\_\_\_\_  
SMR Cert Frequency: [none], [none], [none], [none], [none]  
Related General Rpt: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
Gen Rpt Frequency: [none], [none], [none], [none], [none]

Are the ADDITIONAL SMR certs associated with first permit sample point (\_\_\_\_)? YES ☐ NO ☐

DELETIONS: Special Conditions: # \_\_\_\_\_, # \_\_\_\_\_, # \_\_\_\_\_, # \_\_\_\_\_, # \_\_\_\_\_  
Related SMR Certs: # \_\_\_\_\_, # \_\_\_\_\_, # \_\_\_\_\_, # \_\_\_\_\_, # \_\_\_\_\_  
Related General Rpt: \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

Were the DELETED SMR certs removed from the first permit sample point (\_\_\_\_)? YES ☐ NO ☐

Check here if there are no changes to non-SP-specific Special Certifications or General Reports: ☒

PERMIT PREPARATION CHECKLIST – PART 1  
(Fact Sheet Attachment)

Company Name: VA MEDICAL CENTER

Permit No.: 1008545900-2.1

Effective Date: 4/1/2016

Prepared by: S. REHMER

Date: 3/21/2016

REVIEW THE PRETREATMENT DATABASE (PIMS), INDUSTRY FILE AND PERMIT APPLICATION.  
ANSWER THESE QUESTIONS & UPDATE THE DATABASE PRIOR TO DEVELOPING THE DRAFT PERMIT.

14. Have you verified, in PIMS, the SP location descriptions are complete and adequate? Yes ☒ No ☐

15. Have you verified, in PIMS, the discharge components, process descriptions and related flows at all SPs, are complete and adequate? Yes ☒ No ☐

17. Do any SPs convey stormwater in addition to regulated wastewater? Yes ☒ No ☐  
If yes, list points: 003 and note on P&LD sheets.  
If yes, Special Condition D.10 applies.

19. Are there SPs where user discharges only non-process wastewater? Yes ☒ No ☐  
If yes, does no self-monitoring requirement / Special Condition E.3 apply? Yes ☒ No ☐  
If yes, list points 003 and note on P&LD sheets.

List all the Special Conditions from Part 1 that are applicable to this permit.  
List those that are specific to a sampling point on that sampling point's fact sheet, too.  
List those that are not specific to a sampling point on the "Special Conditions Not Tied to Specific SPs" fact sheet, too.

General Report	Special Condition #	Sampling Point #
	D.10	003
	E.3	003

**PERMIT NO: 1008545900-2.1**

**SAMPLING POINT REFERENCE NUMBER: 003**

### Wastewater Components: Sanitary, Storm

Flow Rate: 100TYPE: Ord ☒ Cat ☐ Comb ☐NEW SP ☒ or CHANGE to SP ☐

**Basis for Flow Rate: Flow estimate at facility inspection, 2/23/16**

**FOR SPs WITH CHANGES, COMPLETE ONLY WHAT HAS CHANGED:**

[illegible]

Special Condition:

**#D.10**

#E3

#

#

#

#

—

#

List related SMR certs:  
SMR cert frequency:

# [none]

# A  
once 3

# [none]

```
# [none]
```

```
# [none]
```

# [none]

# [none]

```
# [none]
```

List related General Rpts:  
General Rpt frequency:

# [none]

# [non]

# [none]

# [none]

```
# [none]
```

# [none]

```
# [none]
```

# [none]

Is this an Ord or Comb SP w/mon for Ord TTO and that has no TOs on site? YES ☐ NO ☒ If Yes, is SMR Gen Cert. A attached at once/3 mo freq.? YES ☐ NO ☒



**Metropolitan St. Louis  
Sewer District**

Division of Environmental Compliance  
10 East Grand Avenue  
St. Louis, MO 63147-2913  
Phone: 314.768.6200 www.stlmsd.com

January 5, 2012

Ed Beaty, Pipefitter Supervisor  
**VA MEDICAL CENTER**  
915 N. Grand Boulevard  
St. Louis, MO 63106

Re: **Discharge Permit No: 1114046000 - 2**  
**For premise at: 915 N. Grand Boulevard, St. Louis, MO 63106**

Dear Mr. Beaty:

The Metropolitan St. Louis Sewer District has developed an Industrial Wastewater Discharge Permit for the above premise. Federal regulation 40 CFR 403 requires MSD to issue a permit to you. We based the permit on the following: information that you supplied in your Industrial User Questionnaire, on results from previous wastewater samplings and inspections, and on requirements contained in existing MSD ordinances and state and federal regulations.

Except as noted in this paragraph, the terms and conditions of this permit are substantially the same as in the previous permit. Changes include:

- Added sampling and reporting requirement for sampling ordinance total phenols, required by all hospitals and health care facilities

The previous permit, effective January 01, 2008, is voided as of the effective date of the enclosed permit.

You must submit monitoring reports on a quarterly basis, as required by the conditions of this permit. The first report due date, for this reissued permit, is based on a complete calendar quarter monitoring period. The permittee remains responsible for reporting for the preceding calendar quarter under the previous permit. The necessary report form is appended to the permit. It includes the specific certifications required by your permit. Please use this form for your report submittals. Instructions for completing the report form also are enclosed with this letter.

If you disagree with any of the terms or conditions of this permit please inform us, in writing, within 15 working days of receipt. MSD will deem absence of a response within this period as acceptance of the permit.

We appreciate your cooperation and support in helping us to comply with federal regulations. Please contact me at 314.436.8756, if you have any questions.

Sincerely,  
**METROPOLITAN ST. LOUIS SEWER DISTRICT**

Scott M. Rehmer  
Assistant Engineer

Enclosures: Industrial Wastewater Discharge Permit,  
Self-monitoring Report Form, Self-monitoring Report Instructions

cc: Doug Mendoza  
Dave Kupke

METROPOLITAN ST. LOUIS SEWER DISTRICT  
DIVISION OF ENVIRONMENTAL COMPLIANCE  
INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO: 1114046000 - 2

EFFECTIVE DATE: February 01, 2012

EXPIRATION DATE: January 31, 2017

ISSUED TO: VA MEDICAL CENTER  
915 N. Grand Boulevard  
St. Louis, MO 63106

SIC NUMBER(S): 8062

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS: 2

SAMPLING PT. REF NUMBER(S): 001, 002

In accordance with the provisions of the Federal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 12559, the permittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitary or combined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

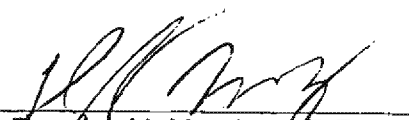
Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment, or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT

  
\_\_\_\_\_  
Scott M. Rehmer  
Assistant Engineer

  
\_\_\_\_\_  
Douglas M. Mendoza, P.E.  
Mgt. of Industrial Pretreatment

## DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 001

SAMPLING POINT LOCATION: MH S of Bell curb 80' E of Spring (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 84,773

WASTEWATER SOURCE AND CATEGORY: Storm Water + Sanitary + Non Contact Cooling Water + Hospital Waste + Kitchen Waste + Laboratory Waste(Animal, Research, + Diagnostic Labs) + Boiler Blowdown + Regeneration/Reject Water

## DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Biochemical Oxygen Demand (5 Day) [mg/L]	****	Daily Avg	Once/3 mo
Chemical Oxygen Demand [mg/L]	****	Daily Avg	Once/3 mo
Flow [GPD]	***	Daily Avg	***
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Phenols [mg/L]	21	Instant	Once/3 mo
Total Suspended Solids [mg/L]	****	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo

\* Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

\*\* See Section I.A.2 of the permit conditions.

\*\*\* Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

\*\*\*\* See Section I.A.11 of the permit conditions.

## DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 002

SAMPLING POINT LOCATION: Offset MH @ Spring & Enright 75' SW of building #5 (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 25,187

WASTEWATER SOURCE AND CATEGORY: Storm Water + Hospital Waste + Sanitary + Non Contact Cooling Water + Laboratory Waste(Diagnostic + Research Labs)

## DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Biochemical Oxygen Demand (5 Day) [mg/L]	****	Daily Avg	Once/3 mo
Chemical Oxygen Demand [mg/L]	****	Daily Avg	Once/3 mo
Flow [GPD]	***	Daily Avg	***
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Phenols [mg/L]	21	Instant	Once/3 mo
Total Suspended Solids [mg/L]	****	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo

\* Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

\*\* See Section I.A.2 of the permit conditions.

\*\*\* Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

\*\*\*\* See Section I.A.11 of the permit conditions.

## PERMIT CONDITIONS

### SECTION I - GENERAL CONDITIONS:

#### A. MONITORING AND REPORTING REQUIREMENTS:

1. From the effective date of this permit, the permittee shall sample and analyze the discharge, at each of the identified sampling points. The pollutants to be monitored, the limitations, limitation types and minimum sampling frequencies are specified individually for each sampling point. The results of sample analyses and the results of all other self-monitoring activities specified in this permit shall be reported to the District as per paragraph A.9 below.

2. The limitation types, which may be specified in this permit, are defined as follows:

An **INSTANT** limitation is the maximum allowable concentration or mass of the pollutant in a grab sample for all pollutants except pH and temperature. For pH, the INSTANT limitations are the minimum and maximum allowable instantaneous pH values in standard units. For temperature, the INSTANT limitation is the maximum allowable instantaneous temperature in degrees Celsius (centigrade).

A **DAILY AVG** limitation is the maximum allowable concentration or mass of the pollutant in a composite sample collected within a 24-hour period.

A **DAILY MAX** limitation is the maximum allowable concentration or mass of the pollutant in any sample collected within a 24-hour period.

A **MONTHLY AVG** limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in all daily samples collected within a calendar month.

A **4-DAY AVG** limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in the daily samples collected on four consecutive sampling days. Sampling days are not necessarily consecutive calendar days.

Note: A daily sample is any sample collected within a 24-hour period.

3. Unless specified otherwise in Section II of these conditions all samples, collected to satisfy the monitoring and reporting requirements of this permit, shall be of the following types:

a. Temperature, pH and chlorine residual measurements, when required, **shall be made on-site at the points of discharge** and those measurements reported as grab sample results except, if continuous monitoring is employed for pH and/or temperature, reporting shall be as per paragraph A.7 below.

b. For oil and grease, total phenols, cyanide, sulfide and volatile organics, when required, samples shall be **Grab Samples**.

c. For all other pollutants, samples shall be **COMPOSITE SAMPLES** made up by combining a minimum of four individual grab samples within a 24-hour period. The individual grabs must be adequately flow or time proportioned to ensure a composite sample that is representative of that day's discharge.

4. When monitoring is required for Total Toxic Organics (TTO), the TTO result shall be determined by summing all quantifiable values greater than 0.01 mg/l for the applicable toxic organics.

a. For a discharge subject to a categorical pretreatment standard, the applicable toxic organics are listed in the standard. The standards are contained in 40 CFR 405 through 40 CFR 471.

b. For all other discharges the applicable toxic organics are all of those, from the list in 40 CFR 401.15, which are or may be present in the discharge.

In addition to reporting the summed TTO result, the permittee shall include, with the self-monitoring report, the analytical value obtained for each toxic organic analyzed.

5. Sampling of all discharges shall be conducted in such a manner as to ensure that the results of individual samples (whether grab or composite) are representative of normal operations and that the results of all samples during the reporting period are representative of the conditions during the reporting period.

6. All sampling and analyses performed to satisfy the monitoring and reporting requirements of this permit shall be performed in accordance with the techniques prescribed in 40 CFR 136 and amendments thereto unless other techniques are prescribed, within this permit, for specific parameters.

7. If the permittee employs continuous monitoring techniques for pH, temperature, and/or lower explosive limit at any sampling point identified in this permit, unintentional and temporary excursions outside the limitations are allowed subject to the provisions of Article X, Subsection Two-D of District Ordinance 12559. The permittee shall include, with each self-monitoring report, a summary of the continuous monitoring data. For each month, the summary shall show all excursions outside the permitted limitations, the elapsed time for each excursion, and the total time for all excursions for temperature, pH, and/or lower explosive limit.

8. If the permittee monitors any of the listed pollutants, using the methods specified in this permit, more often than required by this permit, the results of all such additional monitoring and any additional flow measurements shall be included in the self-monitoring reports.

9. A self-monitoring report (on forms supplied or approved by the District) shall be submitted to the District's Division of Environmental Compliance for each calendar quarter. Each report shall include:

- a. All facility and sample description information required on the District's reporting form.
- b. Analytical results, with dates and times, for all analyzed samples collected within the quarter.
- c. Daily flows, with dates, for all measurements or estimates made within the quarter.
- d. Any certification statements required pursuant to the Special Conditions in Section II.
- e. Any other data or attachments required pursuant to the Special Conditions in Section II.

Each self-monitoring report shall be certified and signed by an individual authorized in accordance with the provisions of Article X, Section Three of District Ordinance 12559. The reports shall be submitted to the District as soon as possible after all required data are available, but no later than 28 days after the end of each quarter.

For the calendar quarter of:

January 1 through March 31

April 1 through June 30

July 1 through September 30

October 1 through December 31

The report must be postmarked no later than:

April 28

July 28

October 28

January 28

A report must be submitted for each calendar quarter even if, for any reason, sampling was not required or was not performed during the quarter. **The first report under this permit is due by July 28, 2012. For non-quarterly self-monitoring requirements, the permit year commences on April 1.**

10. If any sampling performed by the permittee, using the methods specified in this permit, indicates a violation of any permit limitation, the permittee shall notify the District's Division of Environmental Compliance within one business day of becoming aware of the violation. The permittee shall resample the discharge and shall submit the results of the resampling within thirty (30) days of becoming aware of the violation.

11. Unless specified elsewhere in this permit, discharges of Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD) and Total Suspended Solids (TSS) are not limited under the terms of this permit. However, the monitoring values reported will be used by the District to assess the applicability of extra-strength surcharges under the provisions of the District's Wastewater User Charge Ordinances. Extra-strength surcharges may be applicable when measured values exceed 300 mg/l for BOD, 600 mg/l for COD and/or 300 mg/l for TSS. If the permittee is currently subject to extra-strength surcharge, the BOD, COD and TSS values used for billing, as of the permit effective date, are listed in Section II of the permit conditions. These values are updated periodically and may change during the life of this permit.

#### B. CHANGE IN DISCHARGE:

1. The permittee shall not significantly increase the average daily volume, or flow rate of discharge or add any significant new pollutants or significantly increase the discharge of existing pollutants set forth in this permit without first having secured an amendment to the permit unless the permit conditions authorize such increase or additions without an amendment.

2. The permittee shall notify the District's Division of Environmental Compliance of any proposed significant new or increased discharge. The permittee shall make the notification at least ten (10) business days prior to the date of the planned increase or addition.

3. As defined in Article II of District Ordinance 12559, significant new or increased discharge means:

- a. Any discharge from a new process or facility or a new source.
- b. Any increase in volume or rate of discharge from an existing process or facility when the new long term average daily volume or rate of discharge will exceed the previous long term average by 20% or more.
- c. Any addition of a priority pollutant or toxic pollutant not previously present or suspected present in the permittee's discharge.
- d. Any addition of a hazardous waste subject to, but not previously reported under the reporting requirements in Article VIII, Section Nine of District Ordinance 12559.
- e. Any increase in mass of an existing regulated pollutant when the new long term average daily mass discharge of that pollutant will exceed the previous long term average by 20% or more.
- f. Any addition of a new pollutant or any increase in mass of an existing pollutant when the discharge of such pollutant may cause or contribute to interference or pass-through as these terms are defined in Article II of District Ordinance 12559.
- g. Any new batch discharges when previous discharges from an existing source at the permitted facility occurred on a continuous basis.

#### C. PROBLEM DISCHARGE:

1. Problem discharge means any upset, slug discharge, bypass, spill or accident which does or may result in a discharge into the District's system of a prohibited substance; or of a regulated substance in excess of limitations established in this permit and which may: (a) cause interference or pass through; or (b) contribute to a violation of any requirement of the District's NPDES permit; or (c) cause violation of any State or Federal water quality standard.

2. In the event of any problem discharge into the District's system, the permittee shall immediately notify the District, by telephone, of the incident and shall provide such information as may be required at that time in order to assess the impact of the incident on the District's system or on water quality. Within five (5) business days following any such incident, the permittee shall submit to the District's Division of Environmental Compliance a detailed written report which contains a description of the incident and its cause, location within the permittee's facility, exact dates and times of the period of problem discharge and, if not yet corrected, the anticipated time the incident is expected to continue, and steps taken or planned to correct the current incident and to reduce, eliminate and prevent occurrences of future such incidents.

3. Slug discharge control: The permittee shall develop and implement procedures to control slug discharges, as required by the District, and shall notify the District immediately of any changes at the permittee's facilities, not already addressed in the permittee's slug control requirements, which may affect the potential for a slug discharge.

#### D. BYPASSING PROHIBITED:

The permittee may not bypass any portion of its pretreatment facilities except when necessary to perform essential maintenance and then only if the bypass will not result in a violation of applicable pretreatment standards or requirements. Any other pretreatment facility bypass is prohibited unless:

- a. The bypass is unavoidable to prevent loss of life, personal injury or severe property damage;
- b. There are no feasible alternatives to the bypass; and
- c. In the event of an anticipated bypass, advance notice is provided to the District's Division of Environmental Compliance.

#### E. PERMIT REVOCATION:

This permit may be revoked after thirty (30) days notice to the permittee for cause including, but not limited to, the following causes:

- a. A violation of any term or condition of this permit.
- b. A misrepresentation or failure to fully disclose all relevant facts in obtaining this permit.

#### F. PERMIT TERMINATION OR MODIFICATION:

1. This permit may be modified, after thirty (30) days notice to the permittee following promulgation of new State, Federal or local regulations to ensure compliance with the effective dates contained in any such new regulations.

2. Whenever any discharge covered by this permit is permanently eliminated, or when the circumstances upon which the permit was based pursuant to MSD Ordinance 12559, Article VI, Subsection 3.A, change, this permit will be terminated or modified upon verification of the changes by the District's Division of Environmental Compliance.

#### G. PERMIT RENEWAL:

The permittee shall apply for renewal of this permit at least one hundred eighty (180) days prior to the expiration date contained herein.

H. PERMIT TRANSFER:

This permit may not be transferred or reassigned. If the premise covered by this permit is sold or otherwise transferred to a new owner, the new owner shall apply for a new permit at least ten (10) days prior to the transfer and shall abide by all of the provisions of District Ordinance 12559 until the District issues a new permit or denies the application.

I. RIGHT OF ENTRY:

In order to ensure compliance with the provisions of this permit, District Ordinances and applicable State and Federal regulations, District representatives may inspect a permittee's treatment, pretreatment or discharge control facilities, or any process or any area of the permittee's premise which may be a source of any discharge or a source of any pollutants contained in any discharge into the District's wastewater system; conduct sampling of such facilities, processes or areas; and examine or copy any permittee's records related to such discharges. Any duly authorized representative of the District, upon presentation of proper credentials and after execution of appropriate confidentiality agreements, shall be permitted access to appropriate areas of the permittee's premises without prior notice for these purposes. A representative of the permittee shall, if appropriate, accompany the District representative while the work is being performed and shall assure that all applicable safety rules are being observed by the District's representative.

J. RECORDS RETENTION:

The permittee shall retain and preserve, for not less than five (5) years, all records, books, documents, memoranda, reports, sample analysis results, correspondence and any and all summaries thereof relating to the monitoring, sampling and chemical analyses of the permittee's discharge made by or on the permittee's behalf.

K. DEFINITIONS:

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in Article II of District Ordinance 12559.

L. SEWER USE ORDINANCE:

Unless the context specifically indicates otherwise, the permittee is subject to all provisions of District Sewer Use Ordinance 12559.

M. NOTIFICATION AND REPORTING:

1. All notifications and reports required by this permit shall be directed to:

Metropolitan St. Louis Sewer District  
Division of Environmental Compliance  
10 East Grand Avenue  
St. Louis, Missouri 63147-2913

2. Emergency notifications may be made 24-hours a day, 7 days a week by calling the District's dispatcher at (314) 768-6260.

3. During normal business hours, notifications may be made by calling the District's Division of Environmental Compliance at (314) 436-8710.

## SECTION II- SPECIAL CONDITIONS:

These Special Conditions may supplement and/or amend the standard terms of this permit or the General Conditions in Section I. Where there is any perceived conflict between a Special Condition and either the standard permit terms or the General Conditions of Section I, the Special Condition shall govern.

### A. SPECIAL SAMPLING AND ANALYTICAL PROCEDURES

#### A.1. Sampling/Reporting Req for Ordinance Total Phenols

Analysis for Total Phenols is to be performed using EPA Method 625. The result to be reported is the arithmetic sum of the concentrations found for the following individual phenolic compounds:

4-chloro-3-methylphenol	4,6-dinitro-2-methylphenol	pentachlorophenol
2-chlorophenol	2,4-dinitrophenol	phenol
2,4-dichlorophenol	2-nitrophenol	2,4,6-trichlorophenol
2,4-dimethylphenol	4-nitrophenol	

As an option, prior to performing the Method 625 analysis, an initial screening may be performed using EPA Method 420.1. If this option is chosen, two separate samples must be collected, one preserved for the method 420.1 analysis and one unpreserved for a method 625 analysis, if necessary. If the screening produces a result which is less than the permit limitation for Total Phenols, the result should be reported as "less than (numerical result)", and the Method 625 analysis need not be performed. If Method 420.1 produces a result which is greater than the permit limitation, the unpreserved sample must be analyzed using Method 625 and the Method 625 result must be reported. Note: The screening analysis must be completed and a result obtained within sufficient time to ensure the Method 625 analysis, if required, can begin within the 7 day holding time of the unpreserved sample.

#### A.2. No Monitoring When Influenced by Storm Runoff

Sampling points 001 and 002 may, at times, convey storm water in addition to wastewater regulated by this permit. The self monitoring required pursuant to Section I.A.1 of this permit, shall be conducted only at times when the discharge of regulated wastewater will not be influenced by storm water runoff.

### B. SPECIAL CERTIFICATION AND REPORTING REQUIREMENTS

#### B.1. Radioactive Discharge Reporting Requirements

Permittee is authorized to discharge not more than the following amount of radioactive material per year to the District's sanitary sewers:

- (1) For materials subject to licensing by the Nuclear Regulatory Commission:
  - 5 curies Hydrogen-3
  - 1 curie Carbon-14
  - 1 curie for all other radioactive materials combined
- (2) For all other materials:
  - 1 curie for all radioactive materials combined

Permit No.:	1114046000 - 2
Page No.:	10
Effective Date:	February 01, 2012

Excreta from individuals undergoing medical diagnosis or treatment with radiological materials shall be exempt from this prohibition. Any radioactive material discharged to the wastewater system must be readily soluble (or readily dispersible biological material) in water. This authorized level may be modified at any time should the District determine that permittee's discharge of radioactive materials, either alone or in conjunction with other user's discharges of radioactive materials, causes interference as defined in MSD Ordinance 12559.

The permittee shall include with each quarterly self-monitoring report, on forms supplied by the District, a radioactive materials discharge report. The report shall specify the activity discharged to the sewer system by radionuclide during the reporting period. The permittee shall also certify compliance with state and federal regulations for disposal of radioactive material by release into sanitary sewage.

#### C. SPECIAL BILLING REPORTING REQUIREMENTS

##### C.1. Reporting Changes Which Might Impact Return Factor

Pursuant to District Wastewater User Charge Ordinances, the permittee has been granted a reduction in billing for used water which does not enter the District's system. The permittee is currently billed for sewer service charges based on sixty-two (62) percent of the used water (on an annual basis) being discharged to the District. The permittee shall notify the District's Division of Environmental Compliance within ten (10) business days of becoming aware of any changes in operations which will change the percentage of used water discharged to the District.

**THIS IS THE LAST PAGE OF THIS PERMIT**



## INDUSTRIAL USER SELF MONITORING REPORT PAGE 2

### PART III: SPECIAL CERTIFICATION STATEMENTS

Based on the special conditions contained in your discharge permit you may be required to certify the following.  
Please review your permit and **PLACE YOUR INITIALS ON THE LINES NEXT TO THE CERTIFICATIONS.**

--- NONE ---

### PART IV: GENERAL CERTIFICATION STATEMENTS

B	<b>DISCHARGE MONITORING REPORT CERTIFICATION</b> <b>All permittees must sign and complete the information below:</b>  I certify under penalty of Law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.  Print or type name of signing official: _____  Title: _____ Telephone: _____  Signature: _____ Date: _____
---	--

METROPOLITAN ST. LOUIS SEWER DISTRICT  
INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT FACT SHEET

Check one:

FIRST TIME PERMIT ☐  
RENEWAL ☒

Prepared by: S. Rehmer

Date: 11/9/2011

Reviewed by: J. M. M. M.

Date: 11-17-11

PERMIT NO: 1114046000-2

EFFECTIVE DATE: 2/1/2012

EXPIRATION DATE: 1/31/2017

COMPANY NAME: VA MEDICAL CENTER

PREMISE ADDRESS: 915 N. Grand Blvd, 63106

RELATED ACCOUNT NUMBERS: n/a

SIC NUMBERS: 8062

TYPE OF OPERATION: Hospital operations

TOTAL NUMBER OF SAMPLING POINTS: 2 or NO SAMPLING POINT ☐

NUMBER OF: ORDINANCE 2 CATEGORICAL ☐ COMBINED ☐

CATEGORICAL INDUSTRY? YES ☐ NO ☒

If Yes, 40 CFR ☐ Subpart ☐

PSES ☐ PSNS ☐

40 CFR ☐ Subpart ☐

PSES ☐ PSNS ☐

EXTRA STRENGTH SURCHARGE? YES ☐ NO ☒ If Yes, BOD ☐ COD ☐ TSS ☐

RETURN FACTOR? YES ☒ NO ☐ If Yes, Acct #(s) 86730 RF 0.62

SPECIAL CONDITIONS REQUIRED? YES ☒ NO ☐

All SMR start dates begin at start of calendar quarter: ☐ same as/containing permit effective date  
☒ following permit effective date

SMR General Cert. B attached to first permit SP (001) at reporting frequency of once/3mo? Y ☒ N ☐

SUPPORTING DOCUMENTS ATTACHED

Pollutant & Limitations Documentation Sheets:

YES ☒ NO ☐ N/A

Permit Preparation Checklist:

YES ☒ NO ☐

"Special Certs & Gen Rpts for Spec Conditions not tied to Specific SPs" Sheet:

YES ☒ NO ☐

Production-based Standards Calc. Sheets (for Sampling Points ☐)

YES ☐ NO ☐ N/A ☒

Mass-based Standards Calc. Sheets (for Sampling Points ☐)

YES ☐ NO ☐ N/A ☒

Most Strict Limits Sheets (for Sampling Points ☐)

YES ☐ NO ☐ N/A ☒

Combined Wastestream Formula Sheets (for Sampling Points ☐)

YES ☐ NO ☐ N/A ☒

Other: ☐

COMMENTS (Include notations of any significant changes from last permit):

Added total phenols (plus D.3) to both ordinance SP's.

PERMIT NO: 1114046000-2

SPECIAL CONDITIONS NOT TIED TO SPECIFIC SAMPLE POINTS

Special Condition:	# F.1	# E.18	# D.3	#	#	#	#	#	#
List any related SMR certifications:	#	#	#	#	#	#	#	#	#
SMR certification frequency:	[none]	[none]	[none]	[none]	[none]	[none]	[none]	[none]	[none]
List any related General Reports:	#	# Rad. Discharge	#	#	#	#	#	#	#
General Report frequency:	[none]	once 3 mo	[none]	[none]	[none]	[none]	[none]	[none]	[none]

Are all the SMR certifications listed above associated with first permit sample point (001)? YES NO N/A (No Certs)

Check here if there are no non-SP-specific Special Conditions:



SAMPLING POINT REFERENCE NUMBER: 002

TYPE: Ord ☒ Cat ☐ Comb ☐

Wastewater Components: Sanitary, NCCW, Hospital WW, Lab WW, Storm

Flow Rate: 25,187 Units: GPD Basis for Flow Rate: IUQ

Pollutants	Basis for inclusion (or exclusion of std polls)	Basis for limitation (Ord 12559, CFR, etc)	Monitoring frequency	Basis for monitoring freq. (std for vol, etc; innocuous, low flow, etc)	Any OK?
GENERAL:					
FLOW	Standard	n/a	once 3 mo	Standard	<input type="checkbox"/>
BOD	Standard	n/a	once 3 mo	Standard + volume	<input type="checkbox"/>
COD	Standard	n/a	once 3 mo	Standard + volume	<input type="checkbox"/>
O&G	Standard	12559	once 3 mo	Discharge nature plus lab data presence	
pH	Standard	12559	once 3 mo	Standard + volume	
Temp	Standard	12559	once 3 mo	Standard + volume	<input type="checkbox"/>
TSS	Standard	n/a	once 3 mo	Standard + volume	
Ord. TTO	Standard	12559	once/year	Standard	
Total phenol	KP; added for hospitals	12559	once 3 mo	Typical for hospitals	<input type="checkbox"/>
			[none]		<input type="checkbox"/>
PRIORITY/CATEGORICAL:					
			[none]		<input type="checkbox"/>
			[none]		<input type="checkbox"/>
			[none]		<input type="checkbox"/>
			[none]		<input type="checkbox"/>
			[none]		<input type="checkbox"/>
			[none]		<input type="checkbox"/>
			[none]		<input type="checkbox"/>
			[none]		<input type="checkbox"/>
			[none]		<input type="checkbox"/>

Special Condition:

# D.10

#

#

#

#

#

#

#

List related SMR certs:  
SMR cert frequency:

#

#

#

#

#

#

#

#

List related General Rpts:  
General Rpt frequency:

#

#

#

#

#

#

#

#

Is this an Ord or Comb SP w/mon for TTO and that has no TOs on site? YES ☐ NO ☒ If Yes, is SMR Gen Cert. A attached at once/3 mo freq.? YES ☐

Any significant changes? YES ☒ NO ☐ Explain: Added total phenols

PERMIT PREPARATION CHECKLIST - PART 1  
(Fact Sheet Attachment)

Company Name: VA MEDICAL CENTER

Permit No.: 1114046000-2

Effective Date: 2/1/2012

Prepared by: S. REHMER

Date: 11/9/2011

REVIEW THE PRETREATMENT DATABASE (PIMS), INDUSTRY FILE AND PERMIT APPLICATION.  
ANSWER THESE QUESTIONS & UPDATE THE DATABASE PRIOR TO DEVELOPING THE DRAFT PERMIT.

1. Are the correct SICs listed? Yes ☒ No ☐  
If no, add \_\_\_\_\_ delete: \_\_\_\_\_
2. Is user in surcharge? Yes ☐ No ☒  
If yes, date last certified: \_\_\_\_\_  
If yes, Special Condition F.2 applies.
3. Does user's premise have more than one MSD account? Yes ☐ No ☒  
If yes, were all account numbers correctly listed (including occupant #s)? Yes ☐ No ☐  
If no, have account numbers been corrected in database before proceeding? Yes ☐ No ☐
4. Does user have a Return Factor (RF) other than 1.00 for any account? Yes ☒ No ☐  
If yes, list acct no., RF and date last updated:  
Acct 00086730 RF 0.62 Updated 1/17/2002  
Acct \_\_\_\_\_ RF \_\_\_\_\_ Updated \_\_\_\_\_  
If yes, Special Condition F.1 applies.
5. Does user discharge water from a source not included in the MSD Billing system? Yes ☐ No ☒  
If yes, Special Condition F.3 & General Report "Discharge Volume for Billing" apply.
6. Have you established agreement among permit application, water consumption records and PIMS on component flows at each SP, total SP flows and total premise flow? Yes ☒ No ☐  
If no, explain \_\_\_\_\_
7. Has user been granted any variances from ordinance limitations? Yes ☐ No ☒  
If yes, Application Date: \_\_\_\_\_  
Approval Date: \_\_\_\_\_, or approved as part of permit issuance? Yes ☐  
If yes, Parameter(s) \_\_\_\_\_ at SP(s) \_\_\_\_\_  
If yes, Special Condition C.4 applies.
8. Does user discharge any radioactive materials? Yes ☒ No ☐  
If yes, Special Condition E.18 & General Report "Radiation Discharge" apply.
9. Do all of the user's active connections, to MSD sewers, have identified SPs? Yes ☒ No ☐  
If no, explain: \_\_\_\_\_  
If no, is documentation sufficient to use Special Condition  
E.5 ☐ "Sampling Not Required at Connections with NO SP and with SP on parts",  
E.6 ☐ "Sampling Not Required at Connection with NO SP on it",  
E.7 ☐ "Sampling Not Required at Connection with SP on only part of it", or  
E.8 ☐ "Sampling Not Required at Permittee with No SP"?  
If no, is compliance schedule necessary to obtain documentation? Yes ☐ No ☐  
If yes, Special Condition G.1 is necessary.
10. Does premise require use of "upstream/downstream" sampling? Yes ☐ No ☒  
If yes, Upstream SP # \_\_\_\_\_ & Downstream SP # \_\_\_\_\_  
If yes, Special Conditions D.11 and E.9 apply.
11. Are there any inactive connections to MSD sewers? Yes ☐ No ☒  
If yes, Special Condition E10 applies.
12. Have you verified, in PIMS, the SP location descriptions are complete and adequate? Yes ☒ No ☐
13. Have you verified, in PIMS, the discharge components, process descriptions and related flows at all SPs, are complete and adequate? Yes ☒ No ☐
14. Does user have any discharges subject to NPDES permitting regulations? Yes ☐ No ☒  
If yes, list MSD points & corresponding NPDES points: \_\_\_\_\_  
If yes, Special Condition E.14 applies.
15. Do any SPs convey stormwater in addition to regulated wastewater? Yes ☒ No ☐  
If yes, list points: 001, 002 and note on P&LD sheets.  
If yes, Special Condition D.10 applies.
16. Are any SPs Dry Justified in PIMS? Yes ☐ No ☒  
If yes, list points \_\_\_\_\_ and note on P&LD sheets.  
If yes, no self-monitoring is required, and Special Condition E.3 applies.

17. Are there SPs where user discharges only non-process wastewater? Yes ☐ No ☒  
If yes, does no self-monitoring requirement / Special Condition E.3 apply? Yes ☐ No ☐  
If yes, list points \_\_\_\_\_ and note on P&LD sheets.
18. Are there SPs with infrequent discharges that require coordination with the user for MSD to collect samples? Yes ☐ No ☒  
If yes, list points: \_\_\_\_\_ and note on P&LD sheets.  
If yes, Special Condition D.14 applies.
19. Is documentation adequate to allow use of grab samples in lieu of composites at any SPs? Yes ☐ No ☒  
If yes, list points \_\_\_\_\_ and note on P&LD sheets.  
If yes, Special Condition D.1 applies.
20. Are there SPs with self-monitoring requirements, but at less than a quarterly frequency, for all parameters? Yes ☐ No ☒  
If yes, list points \_\_\_\_\_ and note on P&LD sheets.  
If yes, Special Condition E.4 applies.
21. Can local limits TTO be removed from monitoring at any ordinance SPs? Yes ☐ No ☒  
If yes, list points \_\_\_\_\_ and explain on P&LD sheets.  
If yes, does TTO also need to be removed from MSD's monitoring? Yes ☐ No ☐  
If yes, discuss with inspector (name: \_\_\_\_\_) and explain why it had been monitored by MSD: \_\_\_\_\_
22. Does user have a history of compliance problems at this or a previous location? Yes ☐ No ☒  
If yes, explain problems: \_\_\_\_\_  
If yes, is a compliance schedule required? Yes ☐ No ☐  
If yes, Special Condition G.1 applies.  
Is supporting documentation attached? Yes ☐ No ☐  
If yes, are any other special requirements required? Yes ☐ No ☐  
Explain: \_\_\_\_\_
23. Is user required to monitor for Total Phenols at an ordinance SP? Yes ☒ No ☐  
If yes, does Special Condition D.3 for Total Phenols monitoring options apply? Yes ☒ No ☐
24. Has user chosen to employ continuous monitoring techniques for:  
pH? If yes, list points \_\_\_\_\_. SC E.29 & Gen Rpt "Cont-Mon pH Excursions" apply. Yes ☐ No ☒  
Temp? If yes, list points \_\_\_\_\_. SC E.30 & Gen Rpt "Cont-Mon Temp Excursions" apply. Yes ☐ No ☒  
LEL? If yes, list points \_\_\_\_\_. SC E.31 & Gen Rpt "Cont-Mon LEL Excursions" apply. Yes ☐ No ☒
25. Does the company perform any processes for which summaries of activities are needed? Yes ☐ No ☒  
If yes, Special Condition E.33 & General Report "Process Activity Summary" apply.
26. Are special billing conditions, other than the standard Special Conditions, needed? Yes ☐ No ☒  
If yes, describe: \_\_\_\_\_  
If yes, Special Condition F.4 applies.  
Does General Report "Discharge Volume for Billing" apply? Yes ☐ No ☐  
Does General Report "Custom Non-Standard" apply? Yes ☐ No ☐
27. Are any Special Conditions, other than the standard special conditions, required? Yes ☐ No ☒  
If yes, explain: \_\_\_\_\_  
Which Special Condition applies? \_\_\_\_\_  
Is supporting documentation attached? Yes ☐ No ☐  
If no, explain: \_\_\_\_\_  
Does General Report "Custom Non-Standard" apply? Yes ☐ No ☐
28. Is user a hauled waste industry, discharging its wastewater at the Hauled Waste Station? Yes ☐ No ☒  
If yes, have permit title, cover page language, & general conditions been modified? Yes ☐ No ☐  
If yes, Special Conditions B.9, D.13, H.1, and H.2 apply.
29. Is user classified as a Categorical Industrial User (CIU)? Yes ☐ No ☒  
If yes, complete part 2 of checklist. If no, STOP here.

List all the Special Conditions from Part 1 that are applicable to this permit.  
List those that are specific to a sampling point on that sampling point's fact sheet, too.  
List those that are not specific to a sampling point on the "Special Conditions Not Tied to Specific SPs" fact sheet, too.

General Report	Special Condition #	Sampling Point #
_____	F.1	_____
Rad Discharge	E.18	_____
_____	D.10	001, 002
_____	D.3	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____



**Metropolitan St. Louis  
Sewer District**

Division of Environmental Compliance  
10 East Grand Avenue  
St. Louis, MO 63147-2913  
Phone: 314.768.6200 www.stlmsd.com

December 28, 2007

Ed Beaty, Pipefitter Supervisor  
**VA MEDICAL CENTER**  
915 N. Grand Boulevard  
St. Louis, MO 63106

**Re: Discharge Permit No: 1114046000 - 1**  
**For premise at: 915 N. Grand Boulevard, 63106**

Dear Ed Beaty:

On December 13, 2007, the Metropolitan St. Louis Sewer District adopted new Sewer Use Ordinance No. 12559. This ordinance becomes effective January 1, 2008, and replaces Ordinance No. 8472. As a result, your Industrial Wastewater Discharge Permit is modified as per the attached modified permit for the above premise. We have reissued the entire permit for your convenience.

Among the changes in the new ordinance, it raises the limits for TTO and it updates the restrictions on radioactive materials to the sewer system. The new restrictions more closely parallel State and Federal regulations.


**MSD Ordinance No. 12559 limits the discharge of radioactive materials to sewers to what is allowed under your Nuclear Regulatory Commission and/or Missouri Department of Health licenses. The old ordinance restricted the aggregate discharge from all users to one curie/year for each sewage treatment plant. Please note that all radioactive material discharged to the sewer system must continue to be readily soluble or readily dispersible biological material, in water.**

If, at any time, the current level of radioactive materials discharge will increase by 20 percent or more, you must notify MSD, in writing at least ten business days prior to the date of the planned increase. This requirement is contained in Article VIII, Section Six of Ordinance No. 12559.

As a condition of the District's approval, you must continue to submit a completed copy of the Radioactive Materials Discharge Report to the District on a quarterly basis. This approval does not relieve you of any requirements set forth under applicable state or federal regulations. In addition, you must continue to meet all provisions of MSD District Ordinance 12559.

Thank you for your assistance in helping us to comply with state and federal regulations. If you have any questions, please call me at 314.436.8756.

Sincerely,  
**METROPOLITAN ST. LOUIS SEWER DISTRICT**

  
Scott M. Rehmer, Assistant Engineer

Enclosures: Industrial Wastewater Discharge Permit  
cc: Doug Mendoza  
Tom Boehm

PRIORITIES	PERFORMANCE	SERVICE
------------	-------------	---------

MSD 043423

METROPOLITAN ST. LOUIS SEWER DISTRICT  
DIVISION OF ENVIRONMENTAL COMPLIANCE  
INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO: 1114046000 - 1

EFFECTIVE DATE: January 01, 2008

EXPIRATION DATE: January 31, 2012

ISSUED TO: VA MEDICAL CENTER  
915 N. Grand Boulevard  
St. Louis, MO 63106

SIC NUMBER(S): 8062

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS: 2

SAMPLING PT. REF NUMBER(S): 001, 002

In accordance with the provisions of the Federal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 12559, the permittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitary or combined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment, or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

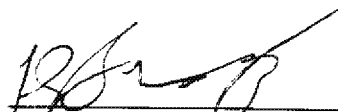
Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT



Scott M. Rehmer  
Assistant Engineer



Douglas M. Mendoza, P.E.  
Mgr. of Industrial Pretreatment

# DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 001

SAMPLING POINT LOCATION: MH S of Bell curb 80' E of Spring (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 35,700

WASTEWATER SOURCE AND CATEGORY: Sanitary + Boiler Blowdown + Hospital Waste + Kitchen Waste + Laboratory Waste (Animal, Research, + Diagnostic Labs) + Non Contact Cooling Water + Regeneration/Reject Water (Softener Regen+ RO Reject)

## DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Biochemical Oxygen Demand (5 Day)	****	Daily Avg	Once/3 mo
Chemical Oxygen Demand	****	Daily Avg	Once/3 mo
Flow [GPD]	***	Daily Avg	***
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Suspended Solids	****	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo

\* Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

\*\* See Section I.A.2 of the permit conditions.

\*\*\* Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

\*\*\*\* See Section I.A.11 of the permit conditions.

# DISCHARGE LIMITATIONS

SAMPLING POINT REFERENCE NUMBER: 002

SAMPLING POINT LOCATION: MH @ Spring & Enright 75' SW of building #5 (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 10,383

WASTEWATER SOURCE AND CATEGORY: Sanitary + Hospital Waste + Laboratory Waste (Diagnostic + Research Labs) + Non Contact Cooling Water + Process Waste (X-Ray Processing)

## DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Biochemical Oxygen Demand (5 Day)	****	Daily Avg	Once/3 mo
Chemical Oxygen Demand	****	Daily Avg	Once/3 mo
Flow [GPD]	***	Daily Avg	***
Silver (Total) [mg/L]	0.5	Daily Avg	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Suspended Solids	****	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.844	Instant	Once/year
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo

\* Limits are based on MSD Ordinance 12559 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.B of the Ordinance.

\*\* See Section I.A.2 of the permit conditions.

\*\*\* Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

\*\*\*\* See Section I.A.11 of the permit conditions.

## PERMIT CONDITIONS

### SECTION I - GENERAL CONDITIONS:

#### A. MONITORING AND REPORTING REQUIREMENTS:

1. From the effective date of this permit, the permittee shall sample and analyze the discharge, at each of the identified sampling points. The pollutants to be monitored, the limitations, limitation types and minimum sampling frequencies are specified individually for each sampling point. The results of sample analyses and the results of all other self-monitoring activities specified in this permit shall be reported to the District as per paragraph A.9 below.

2. The limitation types, which may be specified in this permit, are defined as follows:

An **INSTANT** limitation is the maximum allowable concentration or mass of the pollutant in a grab sample for all pollutants except pH and temperature. For pH, the INSTANT limitations are the minimum and maximum allowable instantaneous pH values in standard units. For temperature, the INSTANT limitation is the maximum allowable instantaneous temperature in degrees Celsius (centigrade).

A **DAILY AVG** limitation is the maximum allowable concentration or mass of the pollutant in a composite sample collected within a 24-hour period.

A **DAILY MAX** limitation is the maximum allowable concentration or mass of the pollutant in any sample collected within a 24-hour period.

A **MONTHLY AVG** limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in all daily samples collected within a calendar month.

A **4-DAY AVG** limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in the daily samples collected on four consecutive sampling days. Sampling days are not necessarily consecutive calendar days.

Note: A daily sample is any sample collected within a 24-hour period.

3. Unless specified otherwise in Section II of these conditions all samples, collected to satisfy the monitoring and reporting requirements of this permit, shall be of the following types:

- a. Temperature, pH and chlorine residual measurements, when required, **shall be made on-site at the points of discharge** and those measurements reported as grab sample results except, if continuous monitoring is employed for pH and/or temperature, reporting shall be as per paragraph A.7 below.
- b. For oil and grease, total phenols, cyanide, sulfide and volatile organics, when required, samples shall be **Grab Samples**.
- c. For all other pollutants, samples shall be **COMPOSITE SAMPLES** made up by combining a minimum of four individual grab samples within a 24-hour period. The individual grabs must be adequately flow or time proportioned to ensure a composite sample that is representative of that day's discharge.

4. When monitoring is required for Total Toxic Organics (TTO), the TTO result shall be determined by summing all quantifiable values greater than 0.01 mg/l for the applicable toxic organics.

a. For a discharge subject to a categorical pretreatment standard, the applicable toxic organics are listed in the standard. The standards are contained in 40 CFR 405 through 40 CFR 471.

b. For all other discharges the applicable toxic organics are all of those, from the list in 40 CFR 401.15, which are or may be present in the discharge.

In addition to reporting the summed TTO result, the permittee shall include, with the self-monitoring report, the analytical value obtained for each toxic organic analyzed.

5. Sampling of all discharges shall be conducted in such a manner as to ensure that the results of individual samples (whether grab or composite) are representative of normal operations and that the results of all samples during the reporting period are representative of the conditions during the reporting period.

6. All sampling and analyses performed to satisfy the monitoring and reporting requirements of this permit shall be performed in accordance with the techniques prescribed in 40 CFR 136 and amendments thereto unless other techniques are prescribed, within this permit, for specific parameters.

7. If the permittee employs continuous monitoring techniques for pH, temperature, and/or lower explosive limit at any sampling point identified in this permit, unintentional and temporary excursions outside the limitations are allowed subject to the provisions of Article X, Subsection Two-D of District Ordinance 12559. The permittee shall include, with each self-monitoring report, a summary of the continuous temperature and/or pH monitoring data. For each month, the summary shall show all excursions outside the permitted limitations, the elapsed time for each excursion, the total time for all excursions for temperature and the total time for all excursions for pH.

8. If the permittee monitors any of the listed pollutants, using the methods specified in this permit, more often than required by this permit, the results of all such additional monitoring and any additional flow measurements shall be included in the self-monitoring reports.

9. A self-monitoring report (on forms supplied or approved by the District) shall be submitted to the District's Division of Environmental Compliance for each calendar quarter. Each report shall include:

- a. All facility and sample description information required on the District's reporting form.
- b. Analytical results, with dates and times, for all analyzed samples collected within the quarter.
- c. Daily flows, with dates, for all measurements or estimates made within the quarter.
- d. Any certification statements required pursuant to the Special Conditions in Section II.
- e. Any other data or attachments required pursuant to the Special Conditions in Section II.

Each self-monitoring report shall be certified and signed by an individual authorized in accordance with the provisions of Article X, Section Three of District Ordinance 12559. The reports shall be submitted to the District as soon as possible after all required data are available, but no later than 28 days after the end of each quarter.

<u>For the calendar quarter of:</u>	<u>The report must be postmarked no later than:</u>
-------------------------------------	---

January 1 through March 31	April 28
April 1 through June 30	July 28
July 1 through September 30	October 28
October 1 through December 31	January 28

A report must be submitted for each calendar quarter even if, for any reason, sampling was not required or was not performed during the quarter. **The first report, under the terms of this permit, is due by April 28, 2008.**

10. If any sampling performed by the permittee, using the methods specified in this permit, indicates a violation of any permit limitation, the permittee shall notify the District's Division of Environmental Compliance within one business day of becoming aware of the violation. The permittee shall resample the discharge and shall submit the results of the resampling within thirty (30) days of becoming aware of the violation.

11. Unless specified elsewhere in this permit, discharges of Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD) and Total Suspended Solids (TSS) are not limited under the terms of this permit. However, the monitoring values reported will be used by the District to assess the applicability of extra-strength surcharges under the provisions of the District's Wastewater User Charge Ordinances. Extra-strength surcharges may be applicable when measured values exceed 300 mg/l for BOD, 600 mg/l for COD and/or 300 mg/l for TSS. If the permittee is currently subject to extra-strength surcharge, the BOD, COD and TSS values used for billing, as of the permit effective date, are listed in Section II of the permit conditions. These values are updated periodically and may change during the life of this permit.

#### B. CHANGE IN DISCHARGE:

1. The permittee shall not significantly increase the average daily volume, or flow rate of discharge or add any significant new pollutants or significantly increase the discharge of existing pollutants set forth in this permit without first having secured an amendment to the permit unless the permit conditions authorize such increase or additions without an amendment.

2. The permittee shall notify the District's Division of Environmental Compliance of any proposed significant new or increased discharge. The permittee shall make the notification at least ten (10) business days prior to the date of the planned increase or addition.

3. As defined in Article II of District Ordinance 12559, significant new or increased discharge means:

- a. Any discharge from a new process or facility or a new source.
- b. Any increase in volume or rate of discharge from an existing process or facility when the new long term average daily volume or rate of discharge will exceed the previous long term average by 20% or more.
- c. Any addition of a priority pollutant or toxic pollutant not previously present or suspected present in the permittee's discharge.
- d. Any addition of a hazardous waste subject to, but not previously reported under the reporting requirements in Article VIII, Section Nine of District Ordinance 12559.
- e. Any increase in mass of an existing regulated pollutant when the new long term average daily mass discharge of that pollutant will exceed the previous long term average by 20% or more.
- f. Any addition of a new pollutant or any increase in mass of an existing pollutant when the discharge of such pollutant may cause or contribute to interference or pass-through as these terms are defined in Article II of District Ordinance 12559.
- g. Any new batch discharges when previous discharges from an existing source at the permitted facility occurred on a continuous basis.

#### C. PROBLEM DISCHARGE:

1. Problem discharge means any upset, slug discharge, bypass, spill or accident which does or may result in a discharge into the District's system of a prohibited substance; or of a regulated substance in excess of limitations established in this permit and which may: (a) cause interference or pass through; or (b) contribute to a violation of any requirement of the District's NPDES permit; or (c) cause violation of any State or Federal water quality standard.

2. In the event of any problem discharge into the District's system, the permittee shall immediately notify the District, by telephone, of the incident and shall provide such information as may be required at that time in order to assess the impact of the incident on the District's system or on water quality. Within five (5) business days following any such incident, the permittee shall submit to the District's Division of Environmental Compliance a detailed written report which contains a description of the incident and its cause, location within the permittee's facility, exact dates and times of the period of problem discharge and, if not yet corrected, the anticipated time the incident is expected to

continue, and steps taken or planned to correct the current incident and to reduce, eliminate and prevent occurrences of future such incidents.

3. Slug discharge control: The permittee shall develop and implement procedures to control slug discharges, as required by the District, and shall notify the District immediately of any changes at the permittee's facilities, not already addressed in the permittee's slug control requirements, which may affect the potential for a slug discharge.

#### D. BYPASSING PROHIBITED:

The permittee may not bypass any portion of its pretreatment facilities except when necessary to perform essential maintenance and then only if the bypass will not result in a violation of applicable pretreatment standards or requirements. Any other pretreatment facility bypass is prohibited unless:

- a. The bypass is unavoidable to prevent loss of life, personal injury or severe property damage;
- b. There are no feasible alternatives to the bypass; and
- c. In the event of an anticipated bypass, advance notice is provided to the District's Division of Environmental Compliance.

#### E. PERMIT REVOCATION:

This permit may be revoked after thirty (30) days notice to the permittee for cause including, but not limited to, the following causes:

- a. A violation of any term or condition of this permit.
- b. A misrepresentation or failure to fully disclose all relevant facts in obtaining this permit.

#### F. PERMIT TERMINATION OR MODIFICATION:

1. This permit may be modified, after thirty (30) days notice to the permittee following promulgation of new State, Federal or local regulations to ensure compliance with the effective dates contained in any such new regulations.

2. Whenever any discharge covered by this permit is permanently eliminated, or when the circumstances upon which the permit was based pursuant to MSD Ordinance 12559, Article VI, Subsection 3.A, change, this permit will be terminated or modified upon verification of the changes by the District's Division of Environmental Compliance.

#### G. PERMIT RENEWAL:

The permittee shall apply for renewal of this permit at least one hundred eighty (180) days prior to the expiration date contained herein.

#### H. PERMIT TRANSFER:

This permit may not be transferred or reassigned. If the premise covered by this permit is sold or otherwise transferred to a new owner, the new owner shall apply for a new permit at least ten (10) days prior to the transfer and shall abide by all of the provisions of District Ordinance 12559 until the District issues a new permit or denies the application.

I. RIGHT OF ENTRY:

In order to ensure compliance with the provisions of this permit, District Ordinances and applicable State and Federal regulations, District representatives may inspect a permittee's treatment, pretreatment or discharge control facilities, or any process or any area of the permittee's premise which may be a source of any discharge or a source of any pollutants contained in any discharge into the District's wastewater system; conduct sampling of such facilities, processes or areas; and examine or copy any permittee's records related to such discharges. Any duly authorized representative of the District, upon presentation of proper credentials and after execution of appropriate confidentiality agreements, shall be permitted access to appropriate areas of the permittee's premises without prior notice for these purposes. A representative of the permittee shall, if appropriate, accompany the District representative while the work is being performed and shall assure that all applicable safety rules are being observed by the District's representative.

J. RECORDS RETENTION:

The permittee shall retain and preserve, for not less than five (5) years, all records, books, documents, memoranda, reports, sample analysis results, correspondence and any and all summaries thereof relating to the monitoring, sampling and chemical analyses of the permittee's discharge made by or on the permittee's behalf.

K. DEFINITIONS:

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in Article II of District Ordinance 12559.

L. SEWER USE ORDINANCE:

Unless the context specifically indicates otherwise, the permittee is subject to all provisions of District Sewer Use Ordinance 12559.

M. NOTIFICATION AND REPORTING:

1. All notifications and reports required by this permit shall be directed to:

Metropolitan St. Louis Sewer District  
Division of Environmental Compliance  
10 East Grand Avenue  
St. Louis, Missouri 63147-2913

2. Emergency notifications may be made 24-hours a day, 7 days a week by calling the District's dispatcher at (314) 768-6260.

3. During normal business hours, notifications may be made by calling the District's Division of Environmental Compliance at (314) 436-8710.

## SECTION II- SPECIAL CONDITIONS:

These Special Conditions may supplement and/or amend the standard terms of this permit or the General Conditions in Section I. Where there is any perceived conflict between a Special Condition and either the standard permit terms or the General Conditions of Section I, the Special Condition shall govern.

### A. SPECIAL SAMPLING AND ANALYTICAL PROCEDURES

#### A.1. No Monitoring When Influenced by Storm Runoff

Sampling points 001 and 002, may, at times, convey storm water in addition to wastewater regulated by this permit. The self monitoring required pursuant to Section I.A.1 of this permit, shall be conducted only at times when the discharge of regulated wastewater will not be influenced by storm water runoff.

### B. SPECIAL CERTIFICATION AND REPORTING REQUIREMENTS

#### B.1. Radioactive Discharge Reporting Requirements

Permittee is authorized to discharge not more than the following amount of radioactive material per year to the District's sanitary sewers:

- (1) For materials subject to licensing by the Nuclear Regulatory Commission:
  - 5 curies Hydrogen-3
  - 1 curie Carbon-14
  - 1 curie for all other radioactive materials combined
- (2) For all other materials:
  - 1 curie for all radioactive materials combined

Excreta from individuals undergoing medical diagnosis or treatment with radiological materials shall be exempt from this prohibition. Any radioactive material discharged to the wastewater system must be readily soluble (or readily dispersible biological material) in water. This authorized level may be modified at any time should the District determine that permittee's discharge of radioactive materials, either alone or in conjunction with other user's discharges of radioactive materials, causes interference as defined in MSD Ordinance 12559.

The permittee shall include with each quarterly self-monitoring report, on forms supplied by the District, a radioactive materials discharge report. The report shall specify the activity discharged to the sewer system by radionuclide during the reporting period. The permittee shall also certify compliance with state and federal regulations for disposal of radioactive material by release into sanitary sewage.

### C. SPECIAL BILLING REPORTING REQUIREMENTS

#### C.1. Reporting Changes Which Might Impact Return Factor

Pursuant to District Wastewater User Charge Ordinances, the permittee has been granted a reduction in billing for used water which does not enter the District's system. The permittee is currently billed for sewer service charges based on sixty-two (62) percent of the used water (on an annual basis) being discharged to the District. The permittee shall notify the District's Division of Environmental Compliance within ten (10) business days of becoming aware of any changes in operations which will change the percentage of used water discharged to the District.

**THIS IS THE LAST PAGE OF THIS PERMIT**

METROPOLITAN ST. LOUIS SEWER DISTRICT  
INDUSTRIAL WASTEWATER DISCHARGE PERMIT

**DOCUMENTATION FORM for PERMIT MODIFICATION**

Permit to be Modified:

Company Name: **VA MEDICAL CENTER**

Location: **915 NORTH Grand Blvd, ST L, MO 63106**

Permit No: **1114046000**

Original Effective Date: **02/01/2007**

Modification Effective Date: **01/01/2008**

What is to be Modified:

Briefly explain what is to be modified and then list the pages & how affected::

**Sewer Use Ordinance 12559 in effect; Radioactive & TTO limits up**

Pg. # **1** **Effective date**

Pg. # **2-3** **For SP's, Limit change for TTO**

Pg. # **5** **First report due date**

Pg. # **9** **SC E.18 Radioactive Discharge Reporting Requirements**

Pg. # \_\_\_\_\_

Pg. # \_\_\_\_\_

Pg. # \_\_\_\_\_

Pg. # \_\_\_\_\_

Reasons for Modification:

Cite regulation, policy, etc. and identify any other documents which support the modification:

**MSD Ord. 12559 adopted 12-13-2007; effective 01-01-2008; supercedes Ord. 8472.**

Prepared by: S. Rehmer	Date: 12-27-2007
Reviewed by: <i>SR</i>	Date: <i>12-27-07</i>

Permit Modified by: S. Rehmer	Date: 12-27-2007
-------------------------------	------------------



# Metropolitan St. Louis Sewer District

Office of Environmental Compliance  
10 East Grand Avenue  
St. Louis, MO 63147-2913  
(314) 436-8710  
FAX (314) 436-8753

November 29, 2006

Ed Beaty  
Pipefitter Supervisor  
**VA MEDICAL CENTER**  
915 North Grand Boulevard  
St. Louis, MO 63106

**RE: Discharge Permit No: 11140460-00**  
**For premise at: 915 North Grand Boulevard**

Dear Mr. Beaty:

Enclosed is the Metropolitan St. Louis Sewer District Industrial Wastewater Discharge Permit for the premise identified above. This permit is issued pursuant to the federal pretreatment regulations in 40 CFR 403 as amended October 3, 2001. This permit has been prepared based on information that you supplied in the District's Industrial User Questionnaire, on results from previous wastewater samplings and inspections and on requirements contained in existing MSD ordinances and state and federal regulations.

Except as noted in this paragraph, the terms and conditions of this permit are substantially the same as in the previous permit. The requirements to monitor and report Silver at sampling point 001 have been removed, however, have been added to sampling point 002. The return factor for your premise has been revised to reflect current information. Additionally, Section I of the permit conditions has been reorganized and includes additional clarifying language but does not contain any new requirements. Other minor changes may have been made to improve the overall clarity of the document.

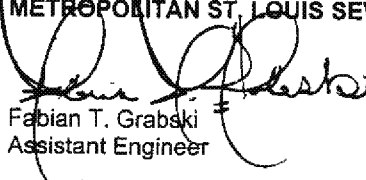
The previous permit, effective February 1, 2002, is voided as of the effective date of the enclosed permit.

Monitoring reports required by the conditions of this permit must be submitted quarterly for the life of the permit. The first report due date, for this reissued permit, is based on a complete calendar quarter monitoring period. The permittee remains responsible for reporting for the preceding calendar quarter under the previous permit. Copies of the necessary report forms are enclosed.

If you disagree with any of the terms or conditions of this permit please inform us, in writing, within 15 working days of receipt. Absence of a response within this time frame will be deemed acceptance, by you, of the provisions of this permit.

You may contact us at 436-8756 at any time if you have any question about your permit.

Sincerely,  
**METROPOLITAN ST. LOUIS SEWER DISTRICT**

  
Fabian T. Grabski  
Assistant Engineer

Enclosures

cc: Permit file

MSD 043434

METROPOLITAN ST. LOUIS SEWER DISTRICT  
DEPARTMENT OF ENVIRONMENTAL COMPLIANCE  
INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO: 11140460-00

EFFECTIVE DATE: February 01, 2007  
EXPIRATION DATE: January 31, 2012

ISSUED TO: VA MEDICAL CENTER  
915 N. GRAND BOULEVARD  
ST. LOUIS, MO 63106

SIC NUMBER(S): 8062

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS: TWO  
SAMPLING PT. REF NUMBER(S): 001, 002


In accordance with the provisions of the Federal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 8472, the permittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitary or combined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.


Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment, or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT

  
\_\_\_\_\_  
Fabian T. Grabski  
Assistant Engineer

  
\_\_\_\_\_  
Douglas M. Mendoza, P.E.  
Manager of Industrial Pretreatment

# DISCHARGE DESCRIPTION

SAMPLING POINT REFERENCE NUMBER: 001

SAMPLING POINT LOCATION: MH S of Bell curb 80' E of Spring (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 35,700

WASTEWATER SOURCE AND CATEGORY: Hospital Waste + NCCW + Boiler Blowdown +  
Regeneration/Reject Waste + Sanitary + Kitchen Waste + Laboratory Waste

## DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD]	***	Daily Avg	***
Biochemical Oxygen Demand (5 Day) [mg/L]	****	Daily Avg	Once/3 mo
Chemical Oxygen Demand [mg/L]	****	Daily Avg	Once/3 mo
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Suspended Solids [mg/L]	****	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.52	Instant	Once/year

\* Limits are based on MSD Ordinance 8472 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.A of the Ordinance.

\*\* See Section I.A.2 of the permit conditions.

\*\*\* Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

\*\*\*\* See Section I.A.11 of the permit conditions.

## DISCHARGE DESCRIPTION

SAMPLING POINT REFERENCE NUMBER: 002

SAMPLING POINT LOCATION: MH @ Spring & Enright 75' SW of building #5 (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 11,900

WASTEWATER SOURCE AND CATEGORY: Hospital Waste + Laboratory Waste + Process Waste + Sanitary + NCCW

## DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD]	***	Daily Avg	***
Biochemical Oxygen Demand (5 Day) [mg/L]	****	Daily Avg	Once/3 mo
Chemical Oxygen Demand [mg/L]	****	Daily Avg	Once/3 mo
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Suspended Solids [mg/L]	****	Daily Avg	Once/3 mo
Silver (Total) [mg/L]	.5	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.52	Instant	Once/year

\* Limits are based on MSD Ordinance 8472 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.A of the Ordinance.

\*\* See Section I.A.2 of the permit conditions.

\*\*\* Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

\*\*\*\* See Section I.A.11 of the permit conditions.

## PERMIT CONDITIONS

### SECTION I - GENERAL CONDITIONS:

#### A. MONITORING AND REPORTING REQUIREMENTS:

1. From the effective date of this permit, the permittee shall sample and analyze the discharge, at each of the identified sampling points. The pollutants to be monitored, the limitations, limitation types and minimum sampling frequencies are specified individually for each sampling point. The results of sample analyses and the results of all other self-monitoring activities specified in this permit shall be reported to the District as per paragraph A.9 below.

2. The limitation types, which may be specified in this permit, are defined as follows:

An **INSTANT** limitation is the maximum allowable concentration or mass of the pollutant in a grab sample for all pollutants except pH and temperature. For pH, the INSTANT limitations are the minimum and maximum allowable instantaneous pH values in standard units. For temperature, the INSTANT limitation is the maximum allowable instantaneous temperature in degrees Celsius (centigrade) .

A **DAILY AVG** limitation is the maximum allowable concentration or mass of the pollutant in a composite sample collected within a 24-hour period.

A **DAILY MAX** limitation is the maximum allowable concentration or mass of the pollutant in any sample collected within a 24-hour period.

A **MONTHLY AVG** limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in all daily samples collected within a calendar month.

A **4-DAY AVG** limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in the daily samples collected on four consecutive sampling days. Sampling days are not necessarily consecutive calendar days.

Note: A daily sample is any sample collected within a 24-hour period.

3. Unless specified otherwise in Section II of these conditions all samples, collected to satisfy the monitoring and reporting requirements of this permit, shall be of the following types:

- a. Temperature, pH and chlorine residual measurements, when required, **shall be made on-site at the points of discharge** and those measurements reported as grab sample results except, if continuous monitoring is employed for pH and/or temperature, reporting shall be as per paragraph A.7 below.
- b. For oil and grease, total phenols, cyanide, sulfide and volatile organics, when required, samples shall be **Grab Samples**.
- c. For all other pollutants, samples shall be **COMPOSITE SAMPLES** made up by combining a minimum of four individual grab samples within a 24-hour period. The individual grabs must be adequately flow or time proportioned to ensure a composite sample that is representative of that day's discharge.

4. When monitoring is required for Total Toxic Organics (TTO), the TTO result shall be determined by summing all quantifiable values greater than 0.01 mg/l for the applicable toxic organics.

- a. For a discharge subject to a categorical pretreatment standard, the applicable toxic organics are listed in the standard. The standards are contained in 40 CFR 405 through 40 CFR 471.
- b. For all other discharges the applicable toxic organics are all of those, from the list in 40 CFR 401.15, which are or may be present in the discharge.

In addition to reporting the summed TTO result, the permittee shall include, with the self-monitoring report, the analytical value obtained for each toxic organic analyzed.

5. Sampling of all discharges shall be conducted in such a manner as to ensure that the results of individual samples (whether grab or composite) are representative of normal operations and that the results of all samples during the reporting period are representative of the conditions during the reporting period.

6. All sampling and analyses performed to satisfy the monitoring and reporting requirements of this permit shall be performed in accordance with the techniques prescribed in 40 CFR 136 and amendments thereto unless other techniques are prescribed, within this permit, for specific parameters.

7. If the permittee employs continuous monitoring techniques for pH and/or temperature at any sampling point identified in this permit, unintentional and temporary excursions outside the limitations are allowed subject to the provisions of Article X, Subsection Two-C of District Ordinance 8472. The permittee shall include, with each self-monitoring report, a summary of the continuous temperature and/or pH monitoring data. For each month, the summary shall show all excursions outside the permitted limitations, the elapsed time for each excursion, the total time for all excursions for temperature and the total time for all excursions for pH.

8. If the permittee monitors any of the listed pollutants, using the methods specified in this permit, more often than required by this permit, the results of all such additional monitoring and any additional flow measurements shall be included in the self-monitoring reports.

9. A self-monitoring report (on forms supplied by the District) shall be submitted to the District's Department of Environmental Compliance for each calendar quarter. Each report shall include:

- a. All facility and sample description information required on the District's reporting form.
- b. Analytical results, with dates and times, for all analyzed samples collected within the quarter.
- c. Daily flows, with dates, for all measurements or estimates made within the quarter.

- d. Any certification statements required pursuant to the Special Conditions in Section II.
- e. Any other data or attachments required pursuant to the Special Conditions in Section II.

Each self-monitoring report shall be certified and signed by an individual authorized in accordance with the provisions of Article X, Section Three of District Ordinance 8472. The reports shall be submitted to the District as soon as possible after all required data are available, but no later than 28 days after the end of each quarter.

For the calendar quarter of:

The report must be postmarked no later than:

January 1 through March 31

April 28

April 1 through June 30

July 28

July 1 through September 30

October 28

October 1 through December 31

January 28

A report must be submitted for each calendar quarter even if, for any reason, sampling was not required or was not performed during the quarter. **The first report, under the terms of this permit, is due by April 28, 2007.**

10. If any sampling performed by the permittee, using the methods specified in this permit, indicates a violation of any permit limitation, the permittee shall notify the District's Department of Environmental Compliance within one business day of becoming aware of the violation. The permittee shall resample the discharge and shall submit the results of the resampling within thirty (30) days of becoming aware of the violation.

11. Unless specified elsewhere in this permit, discharges of Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD) and Total Suspended Solids (TSS) are not limited under the terms of this permit. However, the monitoring values reported will be used by the District to assess the applicability of extra-strength surcharges under the provisions of the District's Wastewater User Charge Ordinances. Extra-strength surcharges may be applicable when measured values exceed 300 mg/l for BOD, 600 mg/l for COD and/or 300 mg/l for TSS. If the permittee is currently subject to extra-strength surcharge, the BOD, COD and TSS values used for billing, as of the permit effective date, are listed in Section II of the permit conditions. These values are updated periodically and may change during the life of this permit.

#### B. CHANGE IN DISCHARGE:

1. The permittee shall not significantly increase the average daily volume, or flow rate of discharge or add any significant new pollutants or significantly increase the discharge of existing pollutants set forth in this permit without first having secured an amendment to the permit unless the permit conditions authorize such increase or additions without an amendment.

2. The permittee shall notify the District's Department of Environmental Compliance of any proposed significant new or increased discharge. The permittee shall make the notification at least ten (10) business days prior to the date of the planned increase or addition.

3. As defined in Article II of District Ordinance 8472, significant new or increased discharge means:
- Any discharge from a new process or facility or a new source.
  - Any increase in volume or rate of discharge from an existing process or facility when the new long term average daily volume or rate of discharge will exceed the previous long term average by 20% or more.
  - Any addition of a priority pollutant or toxic pollutant not previously present or suspected present in the permittee's discharge.
  - Any addition of a hazardous waste subject to, but not previously reported under the reporting requirements in Article VIII, Section Nine of District Ordinance 8472.
  - Any increase in mass of an existing regulated pollutant when the new long term average daily mass discharge of that pollutant will exceed the previous long term average by 20% or more.
  - Any addition of a new pollutant or any increase in mass of an existing pollutant when the discharge of such pollutant may cause or contribute to interference or pass-through as these terms are defined in Article II of District Ordinance 8472.
  - Any new batch discharges when previous discharges from an existing source at the permitted facility occurred on a continuous basis.

#### C. PROBLEM DISCHARGE:

1. Problem discharge means any upset, slug discharge, bypass, spill or accident which does or may result in a discharge into the District's system of a prohibited substance; or of a regulated substance in excess of limitations established in this permit and which may: (a) cause interference or pass through; or (b) contribute to a violation of any requirement of the District's NPDES permit; or (c) cause violation of any State or Federal water quality standard.

2. In the event of any problem discharge into the District's system, the permittee shall immediately notify the District, by telephone, of the incident and shall provide such information as may be required at that time in order to assess the impact of the incident on the District's system or on water quality. Within five (5) business days following any such incident, the permittee shall submit to the District's Department of Environmental Compliance a detailed written report which contains a description of the incident and its cause, location within the permittee's facility, exact dates and times of the period of problem discharge and, if not yet corrected, the anticipated time the incident is expected to continue, and steps taken or planned to correct the current incident and to reduce, eliminate and prevent occurrences of future such incidents.

3. Slug discharge control: The permittee shall develop and implement procedures to control slug discharges, as required by the District, and shall notify the District immediately of any changes at the permittee's facilities, not already addressed in the permittee's slug control requirements, which may affect the potential for a slug discharge.

**D. BYPASSING PROHIBITED:**

The permittee may not bypass any portion of its pretreatment facilities except when necessary to perform essential maintenance and then only if the bypass will not result in a violation of applicable pretreatment standards or requirements. Any other pretreatment facility bypass is prohibited unless:

- a. The bypass is unavoidable to prevent loss of life, personal injury or severe property damage;
- b. There are no feasible alternatives to the bypass; and
- c. In the event of an anticipated bypass, advance notice is provided to the District's Department of Environmental Compliance.

**E. PERMIT REVOCATION:**

This permit may be revoked after thirty (30) days notice to the permittee for cause including, but not limited to, the following causes:

- a. A violation of any term or condition of this permit.
- b. A misrepresentation or failure to fully disclose all relevant facts in obtaining this permit.

**F. PERMIT TERMINATION OR MODIFICATION:**

1. This permit may be modified, after thirty (30) days notice to the permittee following promulgation of new State, Federal or local regulations to ensure compliance with the effective dates contained in any such new regulations.

2. Whenever any discharge covered by this permit is permanently eliminated, or when the circumstances upon which the permit was based pursuant to MSD Ordinance 8472 Article VI, Subsection 3.A, change, this permit will be terminated or modified upon verification of the changes by the District's Department of Environmental Compliance.

**G. PERMIT RENEWAL:**

The permittee shall apply for renewal of this permit at least one hundred eighty (180) days prior to the expiration date contained herein.

**H. PERMIT TRANSFER:**

This permit may not be transferred or reassigned. If the premise covered by this permit is sold or otherwise transferred to a new owner, the new owner shall apply for a new permit at least ten (10) days prior to the transfer and shall abide by all of the provisions of District Ordinance 8472 until the District issues a new permit or denies the application.

I. RIGHT OF ENTRY:

In order to ensure compliance with the provisions of this permit, District Ordinances and applicable State and Federal regulations, District representatives may inspect a permittee's treatment, pretreatment or discharge control facilities, or any process or any area of the permittee's premise which may be a source of any discharge or a source of any pollutants contained in any discharge into the District's wastewater system; conduct sampling of such facilities, processes or areas; and examine or copy any permittee's records related to such discharges. Any duly authorized representative of the District, upon presentation of proper credentials and after execution of appropriate confidentiality agreements, shall be permitted access to appropriate areas of the permittee's premises without prior notice for these purposes. A representative of the permittee shall, if appropriate, accompany the District representative while the work is being performed and shall assure that all applicable safety rules are being observed by the District's representative.

J. RECORDS RETENTION:

The permittee shall retain and preserve, for not less than three (3) years, all records, books, documents, memoranda, reports, sample analysis results, correspondence and any and all summaries thereof relating to the monitoring, sampling and chemical analyses of the permittee's discharge made by or on the permittee's behalf.

K. DEFINITIONS:

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in Article II of District Ordinance 8472.

L. SEWER USE ORDINANCE:

Unless the context specifically indicates otherwise, the permittee is subject to all provisions of District Sewer Use Ordinance 8472.

M. NOTIFICATION AND REPORTING:

1. All notifications and reports required by this permit shall be directed to:

Metropolitan St. Louis Sewer District  
Division of Environmental Compliance  
10 East Grand Avenue  
St. Louis, Missouri 63147-2913

2. Emergency notifications may be made 24-hours a day, 7 days a week by calling the District's dispatcher at (314) 768-6260.

3. During normal business hours, notifications may be made by calling the District's Department of Environmental Compliance at (314) 436-8710.

## SECTION II - SPECIAL CONDITIONS:

These Special Conditions may supplement and/or amend the standard terms of this permit or the General Conditions in Section I. Where there is any perceived conflict between a Special Condition and either the standard permit terms or the General Conditions of Section I, the Special Condition shall govern.

### A. Special Sampling and Analytical Procedures:

1. Sampling points **001** and **002** may, at times, convey storm water in addition to wastewater regulated by this permit. The self monitoring required pursuant to Section I.A.1 of this permit, shall be conducted only at times when the discharge of regulated wastewater will not be influenced by storm water runoff.

### B. Special Certification and Reporting Requirements:

1. Permittee is authorized to discharge not more than **fifteen (15) millicuries** of radioactive material per year to the District's sanitary sewers. Such materials must be soluble, or dispersible if biological material, in water. This authorized level may be modified at any time should the District determine that permittee's discharge of radioactive materials, in conjunction with other user's discharges of radioactive materials, causes the aggregate of all radioactive materials entering the District's treatment plant to exceed one (1) curie per year or causes interference as defined in MSD Ordinance 8472.

The permittee shall include with each quarterly self-monitoring report, on forms supplied by the District, a radioactive materials discharge report. The report shall specify the activity discharged to the sewer system by radionuclide during the reporting period. The permittee shall also certify compliance with state and federal regulations for disposal of radioactive material by release into sanitary sewage.

### C. Special Billing Reporting Requirements:

1. Pursuant to District Wastewater User Charge Ordinances, the permittee has been granted a reduction in billing for used water which does not enter the District's system. The permittee is currently billed for sewer service charges based on **sixty-two (62) percent** of the used water (on an annual basis) being discharged to the District. The permittee shall notify the District's Department of Environmental Compliance within ten (10) business days of becoming aware of any changes in operations which will change the percentage of used water discharged to the District.

**THIS IS THE LAST PAGE OF THIS PERMIT**



**Metropolitan  
St. Louis Sewer  
District**

Office of Environmental Compliance  
10 East Grand Avenue  
St. Louis, MO 63147-2913  
(314) 436-8710  
FAX (314) 436-8753

October 25, 2006

Ed Beaty  
Pipefitter Supervisor  
**VA MEDICAL CENTER**  
915 North Grand Boulevard  
St. Louis, MO 63106

**RE: Discharge Permit No: 11140460-00**  
**For premise at: 915 North Grand Boulevard**

Dear Mr. Beaty:

We have completed our review of your application for renewal of the Metropolitan St. Louis Sewer District Industrial Wastewater Discharge Permit for the premise identified above. The current permit expires on February 1, 2007. Enclosed is a draft copy of the proposed permit renewal.

Except as noted in this paragraph, the terms and conditions of this draft permit renewal are substantially the same as in the current permit. The requirements to monitor and report Silver at sampling point 001 have been removed, however, have been added to sampling point 002. The return factor for your premise has been revised to reflect current information. Additionally, Section I of the permit conditions has been reorganized and includes additional clarifying language but does not contain any new requirements. Other minor changes may have been made to improve the overall clarity of the document.

This draft has been prepared pursuant to the federal pretreatment regulations in 40 CFR 403 as amended October 3, 2001 and is based on information that you supplied in the District's Industrial User Questionnaire, on results from previous wastewater samplings and inspections and on requirements contained in existing MSD ordinances and state and federal regulations.

Please review this draft copy carefully. If you disagree with any of the terms or conditions of the proposed permit please inform us, in writing, within 15 working days of receipt. Absence of a response within this time frame will be deemed as acceptance of the draft permit and we will proceed to issue the final permit.

If you have any questions, please contact me at 436-8756.

Sincerely,

**METROPOLITAN ST. LOUIS SEWER DISTRICT**

Fabian T. Grabski  
Assistant Engineer

Enclosure

cc: Permit file

METROPOLITAN ST. LOUIS SEWER DISTRICT  
DEPARTMENT OF ENVIRONMENTAL COMPLIANCE  
INDUSTRIAL WASTEWATER DISCHARGE PERMIT

PERMIT NO: 11140460-00

EFFECTIVE DATE: February 01, 2007  
EXPIRATION DATE: January 31, 2012

ISSUED TO: VA MEDICAL CENTER  
915 N. GRAND BOULEVARD  
ST. LOUIS, MO 63106

SIC NUMBER(S): 8062

TOTAL NUMBER OF PERMITTED DISCHARGE POINTS: TWO  
SAMPLING PT. REF NUMBER(S): 001, 002

In accordance with the provisions of the Federal Pretreatment Regulations (40 CFR 403) and Metropolitan St. Louis Sewer District Ordinance No. 84, the permittee is hereby authorized to discharge wastewater into the Metropolitan St. Louis Sewer District's sanitary combined sewer system. All discharges so authorized shall be limited and controlled pursuant to the terms and conditions of this permit.

Noncompliance with any term or condition of this permit shall constitute an ordinance violation. If formal enforcement action is required to gain compliance, the permittee who is found guilty of a violation shall be subject to fine or imprisonment, or both such fine and imprisonment, for each violation. Each day in which any such violation shall continue shall be deemed a separate offense.

Compliance with the terms and conditions of this permit does not relieve the permittee of the obligation to comply with all other applicable pretreatment regulations, standards, or requirements under local, State and Federal laws, including any such regulation, standard, legal requirement, or law that may become effective during the life of this permit.

This permit only authorizes wastewater discharges identified herein. It does not apply to any other discharge.

METROPOLITAN ST. LOUIS SEWER DISTRICT

\_\_\_\_\_  
Fabian T. Grabski  
Assistant Engineer

\_\_\_\_\_  
Douglas M. Mendoza, P.E.  
Manager of Industrial Pretreatment

DISCHARGE DESCRIPTION

SAMPLING POINT REFERENCE NUMBER: 001

SAMPLING POINT LOCATION: MH S of Bell curb 80' E of Spring (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 35,700

WASTEWATER SOURCE AND CATEGORY: Hospital Waste + NCCW + Boiler Blowdown +  
Regeneration Reject Waste + Sanitary + Kitchen Waste + Laboratory Waste

DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD]	***	Daily Avg	***
Biochemical Oxygen Demand (5 Day) [mg/L]	****	Daily Avg	Once/3 mo
Chemical Oxygen Demand [mg/L]	****	Daily Avg	Once/3 mo
Oil and Grease (Total) [mg/L]	200	Instant	Once/3 mo
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Suspended Solids [mg/L]	****	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.52	Instant	Once/year

\* Limits are based on MSD Ordinance 8472 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.A of the Ordinance.

\*\* See Section I.A.2 of the permit conditions.

\*\*\* Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

\*\*\*\* See Section I.A.11 of the permit conditions.

# DISCHARGE DESCRIPTION

SAMPLING POINT REFERENCE NUMBER: 002

SAMPLING POINT LOCATION: MH @ Spring & Enright 75' SW of building #5 (Total Flow)

AVERAGE WASTEWATER FLOW (GPD): 11,900

WASTEWATER SOURCE AND CATEGORY: Hospital Waste + Laboratory Waste + Process Waste + Sanitary + NCCW

## DISCHARGE LIMITATIONS AND SELF-MONITORING REQUIREMENTS

Parameter	Limit *	Limit Type **	Sampling Frequency
Flow [GPD]	***	Daily Avg	***
Biochemical Oxygen Demand (5 Day) [mg/L]	****	Daily Avg	Once/3 mo
Chemical Oxygen Demand [mg/L]	****	Daily Avg	Once/3 mo
pH [SU]	11.5	Instant	Once/3 mo
pH [SU]	5.5	Instant	Once/3 mo
Temperature [Deg C]	60	Instant	Once/3 mo
Total Suspended Solids [mg/L]	****	Daily Avg	Once/3 mo
Silver (Total) [mg/L]	.5	Daily Avg	Once/3 mo
Total Toxic Organics [mg/L]	5.52	Instant	Once/year

\* Limits are based on MSD Ordinance 8472 and applicable federal categorical standards. See Section II of the permit conditions for explanation of any adjustments to the published limits made pursuant to Article V, Section 2.A of the Ordinance.

\*\* See Section I.A.2 of the permit conditions.

\*\*\* Report a measured or estimated average daily flow for at least one representative operating day per quarter. If additional flow measurements or estimates are made, all must be reported.

\*\*\*\* See Section I.A.11 of the permit conditions.

PERMIT CONDITIONS

SECTION I - GENERAL CONDITIONS:

A. MONITORING AND REPORTING REQUIREMENTS:

1. From the effective date of this permit, the permittee shall sample and analyze the discharge, at each of the identified sampling points. The pollutants to be monitored, the limitations, limitation types and minimum sampling frequencies are specified individually for each sampling point. The results of sample analyses and the results of all other self-monitoring activities specified in this permit shall be reported to the District as per paragraph A.9 below.

2. The limitation types, which may be specified in this permit, are defined as follows:

An **INSTANT** limitation is the maximum allowable concentration or mass of the pollutant in a grab sample for all pollutants except pH and temperature. For pH, the INSTANT limitations are the minimum and maximum allowable instantaneous pH values in standard units. For temperature, the INSTANT limitation is the maximum allowable instantaneous temperature in degrees Celsius (centigrade).

A **DAILY AVG** limitation is the maximum allowable concentration or mass of the pollutant in a composite sample collected within a 24-hour period.

A **DAILY MAX** limitation is the maximum allowable concentration or mass of the pollutant in any sample collected within a 24-hour period.

A **MONTHLY AVG** limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in all daily samples collected within a calendar month.

A **4-DAY AVG** limitation is the maximum allowable average concentration or mass of the pollutant determined by calculating the arithmetic average of the concentrations or masses found in the daily samples collected on four consecutive sampling days. Sampling days are not necessarily consecutive calendar days.

Note: A daily sample is any sample collected within a 24-hour period.

3. Unless specified otherwise in Section II of these conditions all samples, collected to satisfy the monitoring and reporting requirements of this permit, shall be of the following types:

a. Temperature, pH and chlorine residual measurements, when required, **shall be made on-site at the points of discharge** and those measurements reported as grab sample results except, if continuous monitoring is employed for pH and/or temperature, reporting shall be as per paragraph A.7 below.

b. For oil and grease, total phenols, cyanide, sulfide and volatile organics, when required, samples shall be **Grab Samples**.

c. For all other pollutants, samples shall be **COMPOSITE SAMPLES** made up by combining a minimum of four individual grab samples within a 24-hour period. The individual grabs must be adequately flow or time proportioned to ensure a composite sample that is representative of that day's discharge.

4. When monitoring is required for Total Toxic Organics (TTO), the TTO result shall be determined by summing all quantifiable values greater than 0.01 mg/l for the applicable toxic organics.

a. For a discharge subject to a categorical pretreatment standard, the applicable toxic organics are listed in the standard. The standards are contained in 40 CFR 405 through 40 CFR 471.

b. For all other discharges the applicable toxic organics are all of those, from the list in 40 CFR 401.15, which are or may be present in the discharge.

In addition to reporting the summed TTO result, the permittee shall include, with the self-monitoring report, the analytical value obtained for each toxic organic analyzed.

5. Sampling of all discharges shall be conducted in such a manner as to ensure that the results of individual samples (whether grab or composite) are representative of normal operations and that the results of all samples during the reporting period are representative of the conditions during the reporting period.

6. All sampling and analyses performed to satisfy the monitoring and reporting requirements of this permit shall be performed in accordance with the techniques prescribed in 40 CFR 136 and amendments thereto unless other techniques are prescribed, within this permit, for specific parameters.

7. If the permittee employs continuous monitoring techniques for pH and/or temperature at any sampling point identified in this permit, unintentional and temporary excursions outside the limitations are allowed subject to the provisions of Article X, Subsection Two-C of District Ordinance 8472. The permittee shall include, with each self-monitoring report, a summary of the continuous temperature and/or pH monitoring data. For each month, the summary shall show all excursions outside the permitted limitations, the elapsed time for each excursion, the total time for all excursions for temperature and the total time for all excursions for pH.

8. If the permittee monitors any of the listed pollutants, using the methods specified in this permit, more often than required by this permit, the results of all such additional monitoring and any additional flow measurements shall be included in the self-monitoring reports.

9. A self-monitoring report (on forms supplied by the District) shall be submitted to the District's Department of Environmental Compliance for each calendar quarter. Each report shall include:

- a. All facility and sample description information required on the District's reporting form.
- b. Analytical results, with dates and times, for all analyzed samples collected within the quarter.
- c. Daily flows, with dates, for all measurements or estimates made within the quarter.

- d. Any certification statements required pursuant to the Special Conditions in Section II.
- e. Any other data or attachments required pursuant to the Special Conditions in Section II.

Each self-monitoring report shall be certified and signed by an individual authorized in accordance with the provisions of Article X, Section Three of District Ordinance 8472. The reports shall be submitted to the District as soon as possible after all required data are available, but no later than 28 days after the end of each quarter.

For the calendar quarter of:

The report must be postmarked no later than:

January 1 through March 31

April 28

April 1 through June 30

July 28

July 1 through September 30

October 28

October 1 through December 31

January 28

A report must be submitted for each calendar quarter even if, for any reason, sampling was not required or was not performed during the quarter. **The first report, under the terms of this permit, is due by April 28, 2007.**

10. If any sampling performed by the permittee, using the methods specified in this permit, indicates a violation of any permit limitation, the permittee shall notify the District's Department of Environmental Compliance within one business day of becoming aware of the violation. The permittee shall resample the discharge and shall submit the results of the resampling within thirty (30) days of becoming aware of the violation.

11. Unless specified elsewhere in this permit, discharges of Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD) and Total Suspended Solids (TSS) are not limited under the terms of this permit. However, the monitoring values reported will be used by the District to assess the applicability of extra-strength surcharges under the provisions of the District's Wastewater User Charge Ordinances. Extra-strength surcharges may be applicable when measured values exceed 300 mg/l for BOD, 600 mg/l for COD and/or 300 mg/l for TSS. If the permittee is currently subject to extra-strength surcharge, the BOD, COD and TSS values used for billing, as of the permit effective date, are listed in Section II of the permit conditions. These values are updated periodically and may change during the life of this permit.

## B. CHANGE IN DISCHARGE:

1. The permittee shall not significantly increase the average daily volume, or flow rate of discharge or add any significant new pollutants or significantly increase the discharge of existing pollutants set forth in this permit without first having secured an amendment to the permit unless the permit conditions authorize such increase or additions without an amendment.

2. The permittee shall notify the District's Department of Environmental Compliance of any proposed significant new or increased discharge. The permittee shall make the notification at least ten (10) business days prior to the date of the planned increase or addition.

# T

3. As defined in Article II of District Ordinance 8472, significant new or increased discharge means:
- Any discharge from a new process or facility or a new source.
  - Any increase in volume or rate of discharge from an existing process or facility when the new long term average daily volume or rate of discharge will exceed the previous long term average by 20% or more.
  - Any addition of a priority pollutant or toxic pollutant not previously present or suspected present in the permittee's discharge.
  - Any addition of a hazardous waste subject to, but not previously reported under the reporting requirements in Article VIII, Section Nine of District Ordinance 8472.
  - Any increase in mass of an existing regulated pollutant when the new long term average daily mass discharge of that pollutant will exceed the previous long term average by 20% or more.
  - Any addition of a new pollutant or any increase in mass of an existing pollutant when the discharge of such pollutant may cause or contribute to interference or pass-through as these terms are defined in Article II of District Ordinance 8472.
  - Any new batch discharges when previous discharges from an existing source at the permitted facility occurred on a continuous basis.

#### C. PROBLEM DISCHARGE:

1. Problem discharge means any upset, slug discharge, bypass, spill or accident which does or may result in a discharge into the District's system of a prohibited substance; or of a regulated substance in excess of limitations established in this permit and which may: (a) cause interference or pass through; or (b) contribute to a violation of any requirement of the District's NPDES permit; or (c) cause violation of any State or Federal water quality standard.

2. In the event of any problem discharge into the District's system, the permittee shall immediately notify the District, by telephone, of the incident and shall provide such information as may be required at that time in order to assess the impact of the incident on the District's system or on water quality. Within five (5) business days following any such incident, the permittee shall submit to the District's Department of Environmental Compliance a detailed written report which contains a description of the incident and its cause, location within the permittee's facility, exact dates and times of the period of problem discharge and, if not yet corrected, the anticipated time the incident is expected to continue, and steps taken or planned to correct the current incident and to reduce, eliminate and prevent occurrences of future such incidents.

3. Slug discharge control: The permittee shall develop and implement procedures to control slug discharges, as required by the District, and shall notify the District immediately of any changes at the permittee's facilities, not already addressed in the permittee's slug control requirements, which may affect the potential for a slug discharge.

D. BYPASSING PROHIBITED:

The permittee may not bypass any portion of its pretreatment facilities except when necessary to perform essential maintenance and then only if the bypass will not result in a violation of applicable pretreatment standards or requirements. Any other pretreatment facility bypass is prohibited unless:

- a. The bypass is unavoidable to prevent loss of life, personal injury or severe property damage;
- b. There are no feasible alternatives to the bypass; and
- c. In the event of an anticipated bypass, advance notice is provided to the District's Department of Environmental Compliance.

E. PERMIT REVOCATION:

This permit may be revoked after thirty (30) days notice to the permittee for cause including, but not limited to, the following causes:

- a. A violation of any term or condition of this permit.
- b. A misrepresentation or failure to fully disclose all relevant facts in obtaining this permit.

F. PERMIT TERMINATION OR MODIFICATION:

1. This permit may be modified, after thirty (30) days notice to the permittee following promulgation of new State, Federal or local regulations to ensure compliance with the effective dates contained in any such new regulations.

2. Whenever any discharge covered by this permit is permanently eliminated, or when the circumstances upon which the permit was based pursuant to MSD Ordinance 8472 Article V, Subsection 3.A, change, this permit will be terminated or modified upon verification of the changes by the District's Department of Environmental Compliance.

G. PERMIT RENEWAL:

The permittee shall apply for renewal of this permit at least one hundred eighty (180) days prior to the expiration date contained herein.

H. PERMIT TRANSFER:

This permit may not be transferred or reassigned. If the premise covered by this permit is sold or otherwise transferred to a new owner, the new owner shall apply for a new permit at least ten (10) days prior to the transfer and shall abide by all of the provisions of District Ordinance 8472 until the District issues a new permit or denies the application.

I. RIGHT OF ENTRY:

In order to ensure compliance with the provisions of this permit, District Ordinances and applicable State and Federal regulations, District representatives may inspect a permittee's treatment, pretreatment or discharge control facilities, or any process or any area of the permittee's premise which may be a source of any discharge or a source of any pollutants contained in any discharge into the District's wastewater system; conduct sampling of such facilities, processes or areas; and examine or copy any permittee's records related to such discharges. Any duly authorized representative of the District, upon presentation of proper credentials and after execution of appropriate confidentiality agreements, shall be permitted access to appropriate areas of the permittee's premises without prior notice for these purposes. A representative of the permittee shall, if appropriate, accompany the District representative while the work is being performed and shall assure that all applicable safety rules are being observed by the District's representative.

J. RECORDS RETENTION:

The permittee shall retain and preserve for not less than three (3) years, all records, books, documents, memoranda, reports, sample analysis results, correspondence and any and all summaries thereof relating to the monitoring, sampling and chemical analysis of the permittee's discharge made by or on the permittee's behalf.

K. DEFINITIONS:

Unless the context specifically indicates otherwise, the meaning of terms used in this permit shall be as defined in Article II of District Ordinance 8472.

L. SEWER USE ORDINANCE:

Unless the context specifically indicates otherwise, the permittee is subject to all provisions of District Sewer Use Ordinance 8472.

M. NOTIFICATION AND REPORTING:

1. All notifications and reports required by this permit shall be directed to:

Metropolitan St. Louis Sewer District  
Division of Environmental Compliance  
10 East Grand Avenue  
St. Louis, Missouri 63147-2913

2. Emergency notifications may be made 24-hours a day, 7 days a week by calling the District's dispatcher at (314) 768-6260.

3. During normal business hours, notifications may be made by calling the District's Department of Environmental Compliance at (314) 436-8710.

## SECTION II - SPECIAL CONDITIONS:

These Special Conditions may supplement and/or amend the standard terms of this permit or the General Conditions in Section I. Where there is an perceived conflict between a Special Condition and either the standard permit terms or the General Conditions of Section I, the Special Condition shall govern.

### A. Special Sampling and Analytical Procedures:

1. Sampling points **001** and **002** may, at times, convey storm water in addition to wastewater regulated by this permit. The self monitoring required pursuant to Section I.A.1 of this permit, shall be conducted only at times when the discharge of regulated wastewater will not be influenced by storm water runoff.

### B. Special Certification and Reporting Requirements:

1. Permittee is authorized to discharge not more than **fifteen (15) millicuries** of radioactive material per year to the District's sanitary sewers. Such materials must be soluble, or dispersible if biological material, in water. This authorized level may be modified at any time should the District determine that permittee's discharge of radioactive materials, in conjunction with other user's discharges of radioactive materials, causes the aggregate of all radioactive materials entering the District's treatment plant to exceed one (1) curie per year or causes interference as defined in MSD Ordinance 8472.

The permittee shall include with each quarterly self-monitoring report on forms supplied by the District, a radioactive materials discharge report. The report shall specify the activity discharged to the sewer system by radionuclide during the reporting period. The permittee shall also certify compliance with state and federal regulations for disposal of radioactive material by release into sanitary sewage.

### C. Special Billing Reporting Requirements:

1. Pursuant to District Wastewater User Charge Ordinances, the permittee has been granted a reduction in billing for used water which does not enter the District's system. The permittee is currently billed for sewer service charges based on **sixty-two (62) percent** of the used water (on an annual basis) being discharged to the District. The permittee shall notify the District's Department of Environmental Compliance within ten (10) business days of becoming aware of any changes in operations which will change the percentage of used water discharged to the District.

**THIS IS THE LAST PAGE OF THIS PERMIT**

**T**

PMT FILE(R)

METROPOLITAN ST. LOUIS SEWER DISTRICT  
INDUSTRIAL WASTEWATER DISCHARGE PERMIT

**PERMIT FACT SHEET**

Check one:

FIRST TIME PERMIT	<input type="checkbox"/>
<del>REVISION</del>	<input type="checkbox"/>

Prepared by: Fabian Grabski	Date: 08-11-06
Reviewed by: DMN	Date: 10-24-06

PERMIT NO: 1140460-00 EFFECTIVE DATE: 02-01-07 EXPIRATION DATE: 01-31-12  
MODIFICATION DATES: (1) \_\_\_\_\_, (2) \_\_\_\_\_, (3) \_\_\_\_\_, (4) \_\_\_\_\_

COMPANY NAME: VIA MEDICAL CENTER

PREMISE ADDRESS: 915 N. GRAND BLVD. ST. LOUIS, MO 63106

RELATED ACCOUNT NUMBERS: N/A

SIC NUMBERS: 8062

TYPE OF OPERATION: HOSPITAL

TOTAL NUMBER OF SAMPLING POINTS: 2 or; NO SAMPLE POINT —  
NUMBER OF: ORDINANCE 2 CATEGORICAL — COMBINED —

CATEGORICAL INDUSTRY ? YES — NO ✓  
~~If Yes, 40 CFR~~ Subpart — PSES — PSNS —

~~40 CFR~~ Subpart — PSES — PSNS —

EXTRA STRENGTH SURCHARGE ? YES — NO ✓ If Yes, BOD — COD — TSS —

RETURN FACTOR ? YES ✓ NO — If Yes, Acct # 00086730 RF 0.62

SPECIAL CONDITIONS REQUIRED ? YES ✓ NO —

SUPPORTING DOCUMENTS ATTACHED	YES	NO	N/A
Pollutant & Limitations Documentation Sheets:	<u>✓</u>		
Permit Preparation Checklist:	<u>✓</u>		
Production Based Standards Calculation Sheets:			<u>✓</u>
If Yes, for Sampling Points:			
Most Strict Standards Calculation Sheets:			<u>✓</u>
If Yes, for Sampling Points:			
Combined Wastestream Calculations Sheets:			<u>✓</u>
If Yes, for Sampling Points:			
Other:			

COMMENTS (Include notations of any significant changes from last permit): \_\_\_\_\_

RF REVERSED; 0.88 → 0.62.

A<sub>g</sub>; REMOVED FROM SP001 & MOVED TO SP002.

SAMPLING POINT REFERENCE NUMBER: 001TYPE: Ord. ☒ Cat ☐ Comb ☐Wastewater Components: HOSP WASTE + NCCW + BOILER WASTE + DISINFECTANT WASTE + SAN + KITCHEN WASTE + LAB WASTEFlow Rate: 35,700 GPD Basis for Flow Rate: 100General Pollutants: BOD ☒ COD ☒ O&GT ☒ pH ☒ Temp ☒ TSS ☒ Ord TTO ☒Other: N/APriority/Categorical Pollutants: N/ABasis for Pollutants: STANDARD PERMIT POLLUTANTSBasis for Limitations: MSD ORD #8472Basis for Monitoring Frequencies: 1/3 MOS; HOSP WASTE VOLUMESpecial Conditions: # D-10, #           , #           , #           , #           , #           Any significant changes in Components, Flows, Limits or Monitoring Reqs from previous permit? YES ☒ NO ☐Explain: As REMOVED; 5/25/06 INSP. IDENTIFIED X-RAY WASTE ONLY PRESENT AT SP 002.SAMPLING POINT REFERENCE NUMBER: 002TYPE: Ord. ☒ Cat ☐ Comb ☐Wastewater Components: HOSP WASTE + LAB WASTE + PROCESS WASTE + SANITARY + NCCWFlow Rate: 11,900 GPD Basis for Flow Rate: 100General Pollutants: BOD ☒ COD ☒ O&GT ☒ pH ☒ Temp ☒ TSS ☒ Ord TTO ☒Other: N/A\*PREVIOUSLY REMOVED.(Priority) Categorical Pollutants: As; X-RAY WASTE CONVEYED.Basis for Pollutants:           Basis for Limitations:           Basis for Monitoring Frequencies:           Special Conditions: # D-10, #           , #           , #           , #           , #           Any significant changes in Components, Flows, Limits or Monitoring Req from previous permit? YES ☒ NO ☐Explain: As ADDED; 5/25/06 INSP. IDENTIFIED X-RAY WASTE CONVEYED. FLOW; 6,327 GPD → 11,900 GPD.

PERMIT PREPARATION CHECKLIST - PART 1  
(Fact Sheet Attachment 2)

Company Name: VA MEDICAL CENTER

Permit No.: 11140460-00

Effective Date: 02-01-07

Prepared by: FG

Date: 08-11-06

REVIEW THE PRETREATMENT DATABASE (ECIMS), INDUSTRY FILE AND PERMIT APPLICATION.

ANSWER THE FOLLOWING QUESTIONS AND UPDATE THE DATABASE PRIOR TO DEVELOPING THE DRAFT PERMIT.

1. Are the correct SICs listed? Yes ☒ No ☐  
If no, add: \_\_\_\_\_ delete: \_\_\_\_\_
2. Is user in surcharge? Yes ☐ No ☒  
If yes, date last certified: \_\_\_\_\_  
If yes, Special Condition F.2 applies.
3. Does user's premise have more than one MSD account? Yes ☐ No ☒  
If yes, were all account numbers correctly listed (including occupant #s)? Yes ☐ No ☐  
If no, have account numbers been corrected in database before proceeding? Yes ☐ No ☒
4. Does user have a Return Factor (RF) other than 1.00 for any account? Yes ☒ No ☐  
If yes, list acct no., RF and date last updated:  
Acct 00086730 RF 0.62 Updated 01/17/02  
Acct \_\_\_\_\_ RF \_\_\_\_\_ Updated \_\_\_\_\_  
If yes, Special Condition F.1 applies.
5. Does user discharge water from a source not included in the MSD Billing system? Yes ☐ No ☒  
If yes, Special Condition F.3 applies.
6. Have you established agreement among permit application, water consumption records and ECIMS on component flows at each SP, total SP flows and total premise flow? Yes ☒ No ☐  
If no, explain \_\_\_\_\_
7. Has user been granted any variances from ordinance limitations? Yes ☐ No ☒  
If yes, Parameter(s) \_\_\_\_\_ at SP(s) \_\_\_\_\_  
If yes, Special Condition C.4 applies.
8. Does user discharge any radioactive materials? Yes ☒ No ☐  
If yes, Special Condition E.18 applies.
9. Do all of the user's active connections, to MSD sewers, have identified SPs? Yes ☒ No ☐  
If no, explain: \_\_\_\_\_  
If no, is documentation sufficient to use Special Condition E.5, E.6, E.7 or E.8? Yes ☐ No ☐  
If no, is compliance schedule necessary to obtain documentation? Yes ☐ No ☐  
If yes, Special Condition G.1 is necessary.
10. Does premise require use of "upstream/downstream" sampling? Yes ☐ No ☒  
If yes, Upstream SP # \_\_\_\_\_ & Downstream SP # \_\_\_\_\_  
If yes, Special Conditions D.11 and E.9 apply.
11. Are there any inactive connections to MSD sewers? Yes ☐ No ☒  
If yes, does Special Condition E10. apply? Yes ☐ No ☐
12. Have you verified, in ECIMS, the SP location descriptions are complete and adequate? Yes ☒ No ☐
13. Have you verified, in ECIMS, the discharge components, process descriptions and related flows at all SPs, are complete and adequate? Yes ☒ No ☐

14. Are any SPs Dry Justified? Yes \_\_\_ No ☒  
 If yes, list points \_\_\_\_\_ and note on P&LD sheets.  
 If yes, Special Condition E.3 applies.
15. Do any SPs convey stormwater in addition to regulated wastewater? Yes ☒ No \_\_\_  
 If yes, list points: 001 002 ~ and note on P&LD sheets.  
 If yes, Special Condition D.10 applies.
16. Does user have any discharges subject to NPDES permitting regulations? Yes \_\_\_ No ☒  
 If yes, list points: \_\_\_\_\_  
 If yes, Special Condition E.14 applies.
17. Are there some SPs where user discharges only non-process wastewater? Yes \_\_\_ No ☒  
 If yes, does Special Condition E.3 apply? Yes \_\_\_ No \_\_\_  
 If yes, list points \_\_\_\_\_ and note on P&LD sheets.
18. Is documentation adequate to allow use of grab samples in lieu of composites at any SPs? Yes \_\_\_ No ☒  
 If yes, list points \_\_\_\_\_ and note on P&LD sheets.  
 If yes, Special Condition D.1 applies.
19. Are there SPs with less than a quarterly self-monitoring frequency for all parameters? Yes \_\_\_ No ☒  
 If yes, Special Condition E.4 applies.
20. Can user be given a waiver from monitoring local limits TTO at any ordinance SPs? Yes \_\_\_ No ☒  
 If yes, list points \_\_\_\_\_ and explain on P&LD sheets.
21. Does user have a history of compliance problems at this or a previous location? Yes \_\_\_ No ☒  
 If yes, is a compliance schedule required? Yes \_\_\_ No \_\_\_  
 If yes, Special Condition G.1 applies.  
 Is supporting documentation attached? Yes \_\_\_ No ☒
22. Is user required to monitor for Total Phenols at an ordinance SP? Yes \_\_\_ No ☒  
 If yes, does Special Condition D.3 apply? Yes \_\_\_ No ☒
23. Are special billing conditions, other than the standard Special Conditions, needed? Yes \_\_\_ No ☒  
 If yes, describe: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
24. Are any Special Conditions, other than the standard special conditions, required? Yes \_\_\_ No ☒  
 If yes, explain: \_\_\_\_\_  
 \_\_\_\_\_  
 Is supporting documentation attached? Yes \_\_\_ No ☒
25. Is user classified as a Categorical Industrial User (CIU)? Yes \_\_\_ No ☒  
 If yes, complete part 2 of checklist. If no, STOP here.

List all the Special Conditions from Part 1 that are applicable to this permit:

#F.1 #E.18 #D.10 # \_\_\_\_\_ # \_\_\_\_\_ # \_\_\_\_\_ # \_\_\_\_\_ # \_\_\_\_\_ # \_\_\_\_\_  
001  
002

Rev 12/01

ACCOUNT NUMBER

10040460-00  
VA MEDICAL CENTER  
915 N. Grand Blvd.  
St. Louis, MO 63106

COMPANY NAME:

CORRESPONDENCE

FROM 11-12-96 THRU 01-08-02 (R side)  
01-19-96 10-20-04 (L side)



CORRESPONDANCE LOCATED  
IN OVERFLOW FILE

08-08-14 Moved to ARCHIVED PERMIT files. MI